TECHNICAL REPORT 1, 2014



LEFT BEHIND: 2014

MONITORING THE SOCIAL INCLUSION OF YOUNG AUSTRALIANS WITH SELF-REPORTED LONG TERM HEALTH CONDITIONS, IMPAIRMENTS OR DISABILITIES 2001 - 2012

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Professor Eric Emerson, Professor of Disability Population Health Professor Gwynnyth Llewellyn, Professor of Family and Disability Studies

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Contact details:

Eric Emerson Centre for Disability Research and Policy Faculty of Health Sciences, University of Sydney PO Box 170, Lidcombe NSW 1825, Australia eric.emerson@sydney.edu.au

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SUMMARY

This report is the second in a series reporting on the social inclusion/exclusion of disabled Australian adolescents and young adults. Our first report, *Left Behind: 2013*, mapped the social inclusion of young Australians (aged between 15 and 29) with self-reported long term health conditions, impairments or disabilities between 2001 and 2011. In that report we reported that disabled Australian adolescents and young adults were more likely to experience social exclusion than their non-disabled peers and that in many areas the gap in social inclusion between disabled and non-disabled young Australians had grown over time. Social exclusion in adolescence leads to poor outcomes, such as lower educational achievement and unemployment in adulthood. It affects not only the health and wellbeing of the individual; it also impacts on their family and the wider community. The inability of people with disabilities to participate socially and economically is a loss to the whole of society.

In this report we update *Left Behind: 2013* by extending our mapping to the year 2012, the latest year for which data are available. We address two key questions:

- How did the social inclusion of young Australians with disabilities compare with that of their peers in 2012?
- Did the gap between the social inclusion of young Australians with and without disabilities narrowed or widened over the 12 year period from 2001 to 2012?

HOW DID THE SOCIAL INCLUSION OF YOUNG AUSTRALIANS WITH DISABILITIES COMPARE WITH THAT OF THEIR PEERS IN 2012?

In 2012 young disabled Australians were **fourteen times more likely** than their non-disabled peers to experience entrenched multiple disadvantage (defined as experiencing disadvantage in at least three areas - income, work, education, safety and support - for two years or more).

Compared to their non-disabled peers, young disabled Australians in 2012 were significantly **less likely** to:

• Be employed

i.

- Be fully engaged in education or work
- Attain Year 12 or equivalent educational qualification
- Obtain non-school qualifications
- Feel they have someone to turn to in time of crisis
- Report that they had a voice in the community
- Have contact with family/friends
- Get together socially with family or friends

Compared to their non-disabled peers, young disabled Australians in 2012 were significantly **more likely** to:

- Live in a jobless household
- Experience long-term unemployment
- Have low economic resources combined with financial stress and material deprivation
- Experience financial stress and material deprivation
- Have low subjective quality of life
- Have poorer self-assessed health
- Have mental illness
- Report feeling unsafe in their local area
- Be a victim of violent crime
- Experience multiple disadvantage and entrenched multiple disadvantage

BETWEEN 2001 AND 2012 THE GAP BETWEEN THE SOCIAL EXCLUSION OF DISABLED AND NON-DISABLED YOUNG AUSTRALIANS HAS WIDENED MARKEDLY OVER TIME IN 11 CRITICAL AREAS:

- Not being employed
- Living in a jobless household
- Being long-term unemployed
- Not being fully engaged in work or education
- Not acting as a volunteer
- Having low economic resources and financial stress
- Having low subjective well-being
- Not having someone to turn to in times of crisis
- Not having a voice in the community
- Experiencing multiple disadvantage
- Experiencing entrenched multiple disadvantage.

In not a single area has the gap **narrowed** over time.

Despite social policy interventions, such as employment schemes for those in long-term unemployment and policies to include people with disabilities in community activities and organisations, the aspiration for young disabled Australians to become more socially included appears even further out of reach. Australia is a prosperous nation, committed to redressing the profound social disadvantages people with disability experience and to promoting their participation in society. But it has yet to redress the significant and pervasive social exclusion faced by Australian adolescents and young adults with a disability.

TECHNICAL REPORT

INTRODUCTION

The social inclusion of people with disabilities is attracting increasing attention. Most countries in the world have ratified the UN Convention on the Rights of Person with Disabilities (UNCRPD). Australia ratified the Convention in July 2008 and the additional Optional Protocol in August 2009. Ratification obliges nations to work to redress the "profound social disadvantage of persons with disabilities and promote their participation in the civil, political, economic, social and cultural spheres with equal opportunities, in both developing and developed countries".¹ Countries are also obligated to report to the UN at regulated intervals on their progress towards the equalisation of opportunity and social inclusion of disabled people.

On June 9th 2011 the World Health Organization and World Bank presented to the United Nations the first-ever World Report on Disability; a report which aims to draw recommendations from a synthesis of the best available scientific information in order to promote the well-being, dignity, social inclusion and human rights of people with disabilities around the globe.²

The aim of this Technical Report is to present information on the social inclusion of young disabled Australian adults over a ten year period leading up to and following Australia's ratification of the Convention and Optional Protocol. It is accompanied by a Policy Bulletin that can be downloaded from http://sydney.edu.au/health-sciences/cdrp/publications.shtml

BACKGROUND

The relationship between being disabled, socially excluded and poor is well documented.^{2 3} Historically, negative social outcomes associated with disability were typically regarded as inevitable consequences of health conditions or impairments. Current understanding of the nature of disability suggests otherwise. Increasingly over the past three decades, disability has come to be seen as the result of the dynamic interplay between discriminatory social and environmental processes that perpetuate the social exclusion of people with particular health conditions or impairments.²⁻⁵

Adolescents and young adults with disabilities are particularly vulnerable to these exclusionary processes.⁶ They are engaged in the transition to adulthood, marked in our society primarily by educational attainment, employment, family formation and having a voice in the community. Sitting on the margins of, or excluded from, reaching satisfying outcomes in these important domains of adulthood can further entrench the disadvantage experienced in childhood, multiplying the likelihood of socially excluded status in adulthood.⁶

Previous Australian government policy was to build a stronger, fairer nation.⁷ In order to measure progress toward this goal, Australia developed an **Indicator Framework for Social Inclusion**.⁸ This tool contains 27 headline and 23

"The Australian Government's social inclusion agenda aims to make sure every Australian has the capability, opportunity and resources to participate in the economy and their community while taking responsibility for shaping their own lives"

(from A Stronger, Fairer Australia)

supplementary indicators. It is designed to identify where there may be significant shortfalls in achieving social inclusion and to monitor ongoing progress toward a more socially inclusive Australia. In the absence of an updated indicator framework for social inclusion, this report, as with the first *Left Behind: 2013* report, utilises the above **Indicator Framework for Social Inclusion**.

METHOD

We analysed data extracted from Waves 1 (2001) to 12 (2012) of the annual survey of Household Income and Labour Dynamics in Australia (HILDA: http://melbourneinstitute.com/hilda/) Full details of HILDA are available in a series of technical reports and annual reports.^{9 10} Briefly, HILDA is a panel survey originating from a national probability sample of approximately 7,500 Australian households in 2001 (Wave 1). Continuing panel members include all panel members of Wave 1 households, any children subsequently born to or adopted by panel members and all new entrants to a household who have a child with an existing panel member. In addition, information is collected on temporary panel members (people who share a household with a continuing panel member in wave 2 or later) as long as they share a household with a continuing panel member. All household members aged 15 or above are invited to participate in a personal interview. The sample was replenished in 2011 with the inclusion of an additional 2,153 households.

IDENTIFICATION OF PARTICIPANTS WITH A SELF-REPORTED LONG-TERM HEALTH CONDITION, IMPAIRMENT OR DISABILITY

Participants were identified as having a long-term health condition, impairment or disability if they answered in the positive to a question 'Do you have any impairment, long-term health condition or disability such as these [shown list] that restricts you in your everyday activities and has lasted or is likely to last for 6 months or more?"

The examples provided are listed in Table 1.

Table 1: Examples provided of "long-term condition, impairment or disability" Sight problems not corrected by glasses / lenses Hearing problems Speech problems Blackouts, fits or loss of consciousness Difficulty learning or understanding things Limited use of arms or fingers Difficulty gripping things Limited use of feet or legs A nervous or emotional condition which requires treatment Any condition that restricts physical activity or physical work (e.g., back problems, migraines) Any disfigurement or deformity Any mental illness which requires help or supervision Shortness of breath or difficulty breathing Chronic or recurring pain Long term effects as a result of a head injury, stroke or other brain damage A long-term condition or ailment which is still restrictive even though it is being treated or

medication being taken for it

Table 1: Examples provided of "long-term condition, impairment or disability" (cont.) Any other long-term condition such as arthritis, asthma, heart disease, Alzheimer's disease, dementia etc

INDICATORS

The Monitoring and Reporting Framework – Headline and Supplementary Indicators of Social Inclusion consists of 12 Domains under the three broad headings of Participation, Resources and Multiple Entrenched Disadvantage.⁸ For each of the first two headings there are a number of domains, each with at least one headline indicator and a varying number of supplementary indicators. Under Participation, there are four domains: work; learn; engage (social participation); have a voice (political, civic, community participation). The domains within the Resources section are: material/economic resources; health and disability; education and skills; social resources; community and institutional resources; housing; and personal safety. In the final section, Multiple and Entrenched Disadvantage, there is only one domain of the same name.

Following the approach we developed using the UN Convention on the Rights of Persons with Disabilities to understand the well-being of young disabled Australians,^{11 12} we identified items contained within Waves 1-12 of HILDA that could be employed as indicators of social inclusion identical to or very similar to the headline and supplementary indicators of social inclusion in the **Monitoring and Reporting Framework**. We identified 22 indicators in all, 12 of which correspond to headline indicators, 10 to supplementary indicators. Two indicators (multiple disadvantage and entrenched multiple disadvantage) include self-assessed health as one component in an overall index. Given the inherent association between health conditions or impairments and disability, we have presented two versions of these indicators, one including the health component, the other excluding it.

MEASURING SOCIAL INCLUSION OVER TIME

Our judgements of the social significance of trends in social inclusion over time were based on the strength of the non-parametric correlation coefficient between the year and group scores on the relevant indicator. To measure trends in the absolute social inclusion of both disabled and non-disabled Australians we use the percentage score for that particular group on each indicator. To measure trends in the relative social inclusion between disabled and non-disabled Australians we used a measure of the **relative** risk or disadvantage (the odds ratio) experienced by disabled people when compared to non-disabled people on each indicator. We followed convention by designating correlation coefficients greater than +0.4 or lower than -0.4 as evidence of 'strong' effects over time.¹³ It should be noted that these effects are not necessarily 'statistically' significant. That is, we cannot necessarily rule out with confidence that these changes could not have occurred due to chance fluctuations resulting from measurement or sampling error. However, it is being increasingly recognised in the health and social sciences that the social significance of patterns and associations are best estimated by consideration of their 'effect sizes' (as we have done here) than by their statistical significance.¹³¹⁴

RESULTS

Detailed results, including the statistics on which the summary below is based, are provided in Tables 3 and 4 in the Appendix.

THE EXTENT OF SOCIAL INCLUSION OF YOUNG DISABLED AUSTRALIANS IN 2011

Relative to their non-disabled peers, young disabled Australians in 2012 were significantly less likely to do well on all six indicators relating to **work, learning, education and skills**.

They were less likely to:

- Be employed
- Be fully engaged in education or work
- Attain Year 12 or equivalent educational qualification
- Obtain non-school qualifications

They were more likely to:

- Live in a jobless household
- Experience long-term unemployment

Relative to their non-disabled peers, young disabled Australians in 2012 were significantly less likely to do well on six of the eight indicators of **material**, **economic and social resources or community engagement**.

They were more likely to:

- Have low economic resources combined with financial stress and material deprivation
- Experience financial stress and material deprivation

They were less likely to:

- Feel they have someone to turn to in time of crisis
- Report that they had a voice in the community
- Have been in contacted family/friends
- Get together socially with family or friends

Relative to their non-disabled peers, young disabled Australians in 2012 were significantly less likely to do well on all three indicators of **health**.

They were more likely to:

- Have low subjective quality of life
- Have poorer self-assessed health
- Have mental illness

Relative to their non-disabled peers, young disabled Australians in 2012 were significantly less likely to do well on two of the three indicators of safety.

They were more likely to:

- Report feeling unsafe in their local area
- Be a victim of violent crime

Relative to their non-disabled peers, young disabled Australians in 2012 were more likely to experience multiple disadvantage.

To demonstrate visually what this means for the situation of disabled young Australians in 2012, the extent of relative *social exclusion* is shown below in Figure 1 for the 22 indicators.¹

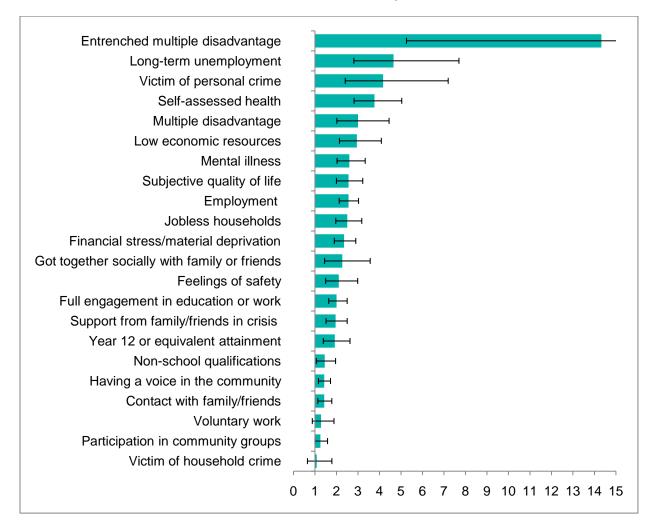


Figure 1: Social Exclusion of Disabled Young Australians 2012

¹ **Reading Figure 1**: The bars in Figure 1 show the risk for social exclusion experienced by disabled young Australians when compared to their non-disabled peers. The measure of risk used is the *odds ratio* (OR). An OR of one indicates that there is no difference between disabled and non-disabled young Australians. An OR of *less than one* indicates that disabled young Australians are *less* excluded than their non-disabled peers. An OR of *more than one* indicates that disabled young Australians are *more* excluded than their non-disabled peers. An OR of *more than one* indicates that disabled young Australians are *more* excluded than their non-disabled peers. An odds ratio of five, for example, indicates that the odds (chances) of exclusion are five times greater for disabled young Australians when compared to their non-disabled peers. The 'T' lines show the 95% confidence intervals for each risk estimate. That is, in 95% of instances the true level of risk will lie within these T-lines. If the T lines do not cross 1 (no difference) then the difference between disabled and non-disabled young Australians is considered *statistically significant*.

CHANGES IN THE LEVEL OF SOCIAL INCLUSION OVER TIME FOR YOUNG DISABLED AUSTRALIANS

It is obviously important to determine whether the social inclusion of young Australians with disabilities is increasing or decreasing over time. Between 2001 and 2012, the social inclusion of young disabled Australians increased over time on eight of the 22 indicators including five headline indicators (in bold):

- Achieving Y12 or Certificate II at school
- Not experiencing low economic resources and financial stress/ material deprivation
- Not experiencing financial strain
- Having better self-rated health
- Feeling safe in the community
- Not being a victim of household crime
- Not being a victim of personal crime
- Not experiencing multiple disadvantage

At the same time, the social inclusion of young disabled Australians decreased over time on four of the 22 indicators including three headline indicators (in bold):

- Lower rates of employment
- Lower rates of volunteering
- Lower rates of being fully engaged in education or work
- Having less contact with family and friends in the past week

While these improvements are to be welcomed, it was also the case that the social inclusion of non-disabled young Australians has increased. Therefore we need to examine changes in relative social inclusion over time.

CHANGES IN THE GAP BETWEEN YOUNG DISABLED AUSTRALIANS AND THEIR NON-DISABLED PEERS OVER TIME

Did the gap in the social inclusion between disabled and non-disabled young Australians narrow or widen between 2001 and 2012? Over this period the gap in social exclusion between disabled and non-disabled young Australians widened over time on 11 indicators (including 6 of the 12 headline indicators):

- Not being employed
- Living in a jobless household
- Being long-term unemployed
- Not being fully engaged in work or education
- Not acting as a volunteer
- Having low economic resources and financial stress
- Having lower subjective well-being
- Not having someone to turn to in times of crisis
- Not having a voice in the community
- Experiencing multiple disadvantage
- Experiencing entrenched multiple disadvantage.

It did not narrow in any single area.

We have summarised Australia's progress in promoting the social inclusion of young Australians with disabilities between 2001 and 2012 in the following scorecard. The statistics on which they are based are presented in Table 4 in the Appendix.

A SCORECARD OF AUSTRALIA'S PROGRESS IN PROMOTING THE SOCIAL INCLUSION OF YOUNG AUSTRALIANS WITH DISABILITIES: 2001-2011

Social Inclusion Domain	Indicator (Shaded Cells = Headline Indicator)	D	ND	Gap
Work	1. Employment rate			
	2. Jobless households			
	3. Long-term unemployment			
Learn	4. Young people fully engaged in education or work			
	5. Year 12 or equivalent attainment			
Engage	6. Contacted family/friends			
	7. Participation in community groups			
	8. Got together socially with family or friends			
	9. Voluntary work			
Material & Economic	10. Low economic resources and financial stress/ material deprivation			
Resources	11. Financial stress/material deprivation			
Health	12. People with mental illness			
	13. Self-assessed health			
	14. Subjective quality of life			
Education & Skills	15. Non-school qualifications			
Social Resources	16. Support from family/friends in time of crisis			
Resources	17. Autonomy—having a voice in the community			
Personal	18. Feelings of safety			
Safety	19. Victim of personal crime			
	20. Victim of household crime			
Multiple &	21. Multiple disadvantage			
entrenched disadvantage	22. Multiple disadvantage (excluding health)			
C C	23. Entrenched multiple disadvantage			
	24. Entrenched Multiple disadvantage (excluding health)			
•	ress or gap decreased , 🛑 marked deterioration or gap increased alians with disabilities; ND - young Australians without disabilities			

In Table 2 we summarise in which year (from 2001 to 2012) was the gap in social inclusion for young Australians with and without disability at its largest and at its smallest.

	2: Year in which the gap in social inclusion lians with and without disabilities was at	
Year	The gap was narrowest for	The gap was widest for
2001	Low economic resources and financial	Self-assessed health
	stress/ material deprivation	
	Non-school qualifications	
2002	Young people fully engaged in education or	
	work	
	Support from family/friends in time of crisis	
	Entrenched Multiple disadvantage (excluding	
0000	health)	Versite and the second second
2003	Long-term unemployment	Year 12 or equivalent attainment
	Feelings of safety	
2004	Multiple disadvantage People with mental illness	Non-school qualifications
2004	Self-assessed health	Non-school qualifications
	Victim of household crime	
	Multiple disadvantage (excluding health)	
	Entrenched multiple disadvantage	
2005	Employment rate	Participation in community groups
	Jobless households	Got together socially with family or friends
	Subjective quality of life	
2006	Autonomy—having a voice in the community	Contacted family/friends
		Entrenched multiple disadvantage
2007	Participation in community groups	Young people fully engaged in education or
	Got together socially with family or friends	work
	Voluntary work	People with mental illness
2000	Contacted family/friends	Victim of household crime
2008	Contacted family/friends	Support from family/friends in time of crisis Autonomy—having a voice in the community
		Multiple disadvantage
		Multiple disadvantage (excluding health)
		Entrenched Multiple disadvantage (excluding
		health)
2009	Year 12 or equivalent attainment	
	Financial stress/material deprivation	
	Victim of personal crime	
2010		Feelings of safety
2011		Jobless households
		Long-term unemployment
		Subjective quality of life
2012		Employment rate
		Undertaking voluntary work
		Low economic resources and financial
		stress/ material deprivation Financial stress/material deprivation
		Victim of personal crime

As can be seen, in 2012 the gap in social inclusion for young Australians with and without disability was at its largest for five of the 22 indicators and at its smallest for none. Over the last three years the gap in social inclusion for young Australians with and without disability was at its largest for nine of the 22 indicators and at its smallest for none.

CONCLUSIONS

While it is heartening to observe some trends in increasing social inclusion over time for young disabled Australians, in many instances the magnitude of the increases in social inclusion was even greater for their non-disabled peers. In short, they have been left behind during a period of significant economic prosperity. This is despite the implementation of social policy interventions such as employment schemes for people in long-term unemployment, income support benefits for those experiencing financial hardship, and disability inclusive policies in community activities and organizations. The aspiration for young disabled Australians to have the same opportunities and freedoms as their non-disabled peers appears even further out of reach. Indeed, the gap between their life conditions and those of their non-disabled peers markedly widened on half of the twelve headline indicators:

- Being employed
- Being fully engaged in work or education
- Not having low economic resources and financial stress
- Having someone to turn to in times of crisis
- Having a voice in the community
- Not experiencing multiple disadvantage •

On no indicator did the gap narrow.

Building on our previous analyses,¹² the analyses presented here suggest that despite the implementation of policies and services related to disability (and at a time when Australia led by example in the development and ratification of the UN Convention on the Rights of Persons with Disabilities which promotes social inclusion), this economically prosperous nation has yet to redress the significant and pervasive social exclusion faced by Australian adolescents and young adults with a self-reported long term health condition, disability or impairment.

The approach taken in this study utilized the social indicators framework developed by the Australian Social Inclusion Board. We successfully aligned indicators with items in HILDA, an easily accessible, robust national longitudinal panel survey of Australian households. This framework provides a useful tool to assist in monitoring the effectiveness of policy and service initiatives in Australia during this time period. The framework also offers an approach to monitor Australia's progress toward meeting the nation's obligations under the UNCRPD.

The results demonstrate how the common set of drivers of social exclusion noted in many studies worldwide play out in the lives of young Australians with a long term health condition, impairment or disability and at a critical point in their lives as they emerge into adulthood. These drivers include poverty, low income and income inequality, lack of access to the job market, poor educational outcomes, poor health and wellbeing, lack of access to social supports and networks, exclusion from services and discrimination.

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APPENDIX: TABLE 2 - TRENDS IN SOCIAL INCLUSION

Social	Indicator (Shaded		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
			n=3,903	n=3,532	2003 n=3,455	n=3,419	n=3,519	n=3,632	n=3,640	2008 n=3,643	n=3,954	n=3,867	n=5,249	N=4,988
Inclusion	Cells = Headline		14.2%	11.1%	14.9%	15.7%	16.9%	14.1%	13.5%	13.3%	15.3%	13.5%	13.6%	12.6%
Domain	Indicator)		disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
Work	Employment	D	57%	58%	61%	58%	64%	62%	61%	63%	58%	57%	54%	48%
	rate:	Not	69%	71%	72%	74%	74%	73%	75%	74%	71%	72%	72%	71%
	Tate.	OR/p	0.60***	0.57***	0.60***	0.47***	0.62***	0.61***	0.51***	0.58***	0.56***	0.53***	0.46***	0.39***
	Employment /		0.49-	0.46-	0.49-	0.39-	0.51-	0.49-	0.42-	0.30	0.46-	0.33	0.39-	0.33-
			0.43	0.71	0.73	0.57	0.76	0.45	0.42	0.72	0.68	0.40	0.55	0.47
	population ratio		0.72	0.71	0.70	0.07	0.70	0.70	0.01	0.72	0.00	0.04	0.00	0.47
	(15–29 years) [']													
	Jobless	D	18%	17%	17%	16%	13%	14%	13%	15%	16%	14%	16%	16%
	households:	Not	8%	8%	8%	7%	7%	6%	5%	5%	6%	5%	5%	7%
		OR/p	2.68***	2.27***	2.33***	2.38***	2.17***	2.74***	2.86***	3.38***	3.10***	2.95***	3.47***	2.50***
	Percentage of	CI	2.10-	1.71-	1.80-	1.83-	1.64-	2.04-	2.19-	2.48-	2.36-	2.20-	2.72-	1.97-
	persons living in		3.43	3.02	3.02	3.11	2.87	3.67	3.72	5.59	4.07	3.96	4.42	3.18
	jobless													
	households													
	nousenoids													
	Long-term	D	5%	6%	3%	6%	4%	3%	4%	2%	4%	4%	5%	8%
	unemployment:	Not	2%	2%	2%	1%	1%	1%	2%	1%	2%	1%	1%	2%
	unemployment.	OR/p	2.74***	2.77***	2.01*	4.04***	3.04**	3.13**	2.36**	3.21*	2.99**	2.99**	5.20***	4.65***
	Percentage of	CI	1.58-	1.62-	1.01-	2.21-	1.56-	1.51-	1.33-	1.22-	1.61-	1.55-	2.88-	2.81-
	-	01	4.74	4.76	4.03	7.40	5.92	6.49	4.20	8.42	5.57	5.80	9.41	7.70
	labour force		7.7 7	4.70	4.00	1.40	0.02	0.40	4.20	0.42	0.07	0.00	0.41	1.10
	continuously													
	unemployed for													
	last 12 months													
			•	•										-

Learn	Young people	D	59%	62%	58%	58%	63%	55%	56%	61%	62%	62%	44%	54%
	fully engaged	Not	68%	66%	68%	66%	71%	71%	74%	73%	73%	71%	59%	70%
	in education or	OR/p	0.68**	0.84	0.64***	0.73**	0.70**	0.49***	0.46***	0.59***	0.61***	0.66**	0.56***	0.50***
	work:	CI	0.55- 0.85	0.64- 1.10	0.51- 0.81	0.58- 0.91	0.56- 0.87	0.38- 0.62	0.37- 0.56	0.46- 0.75	0.48- 0.76	0.52- 0.84	0.46- 0.68	0.40- 0.61
	Percentage of													
	15-24 year olds													
	fully engaged in													
	education													
	and/or work													
	Year 12 or	D	61%	57%	61%	73%	69%	64%	65%	64%	78%	71%	67%	68%
	equivalent	Not	75%	75%	80%	79%	79%	79%	78%	79%	78%	78%	79%	80%
	attainment:	OR/p	0.53***	0.45***	0.39***	0.71	0.59**	0.48**	0.51***	0.48***	1.02	0.69	0.56***	0.52***
		CI	0.37-	0.29-	0.27-	0.47-	0.41-	0.33-	0.37-	0.32-	0.68-	0.47-	0.40-	0.38-
	Percentage of		0.74	0.70	0.56	1.05	0.84	0.70	0.71	0.70	1.52	1.00	0.80	0.72
	20-24 year olds													
	attaining Year													
	12 or Certificate													
	П													

Engage	Contacted	D	76%	72%	71%	71%	70%	66%	69%	72%	74%	62%	68%	64%
	family/friends:	Not	79%	79%	80%	77%	76%	77%	77%	75%	78%	73%	73%	72%
		OR/p	0.82	0.68**	0.60***	0.74*	0.76*	0.59***	0.68**	0.83	0.80	0.62***	0.77*	0.70**
	Percentage of	CI	0.64-	0.51-	0.47-	0.57-	0.59-	0.45-	0.54-	0.62-	0.61-	0.49-	0.61-	0.56-
	people aged 18		1.06	0.91	0.78	0.97	.097	0.76	0.86	1.12	1.05	0.80	0.97	0.88
	years and over													
	who contacted													
	family/friends in													
	past week													
	•													
	Participation in	D	36%	31%	36%	30%	28%	30%	35%	36%	33%	29%	34%	30%
	community	Not	38%	39%	39%	39%	38%	34%	35%	38%	38%	31%	36%	36%
	groups:	OR/p	0.90	0.71*	0.88	0.69**	0.65**	0.80	0.97	0.92	0.81	0.92	0.93	0.80
		CI	0.72-	0.53-	0.69-	0.53-	0.50-	0.61-	0.78-	0.69-	0.63-	0.71-	0.74-	0.63-
	Percentage of		1.13	0.93	1.12	0.89	0.83	1.04	1.21	1.21	1.04	1.19	1.16	1.00
	people aged 18													
	years and over													
	who were													
	involved in a													
	community													
	group in the last													
	12 months													

Engage	Got together	D	95%	96%	95%	96%	98%	95%	96%	97%	98%	95%	95%	95%
	socially with	Not	98%	98%	98%	97%	97%	98%	99%	98%	98%	98%	97%	98%
	family or	OR/p	0.39***	0.53	0.48*	0.64	1.61	0.31***	0.31***	0.59	0.93	0.50*	0.59	0.44***
	friends:	CI	0.23-	0.27-	0.27-	0.35-	0.68-	0.17-	0.17-	0.26-	0.41-	0.27-	0.35-	0.28-
	Percentage of		0.66	1.03	0.85	1.18	3.80	0.60	0.59	1.36	2.11	0.90	1.01	0.69
	people who get													
	together socially													
	with friends or													
	relatives not													
	living with at													
	least once every													
	three months ⁱⁱ													
	Voluntary	D	15%	11%	14%	9%	10%	10%	11%	9%	10%	10%	10%	10%
	work:	Not	13%	9%	12%	11%	9%	11%	9%	10%	11%	11%	10%	12%
		OR/p	1.16	1.16	1.12	0.87	1.07	0.96	1.25	0.88	0.90	0.85	0.99	0.78
	Percentage of	CI	0.85-	0.75-	0.79-	0.56-	0.73-	0.64-	0.89-	0.56-	0.60-	0.56-	0.69-	0.53-
	people aged 18		1.58	1.79	1.61	1.35	1.56	1.43	1.75	1.41	1.36	1.28	1.43	1.14
	years and over													
	who undertook													
	voluntary work													
	in past 12													
	months													

Material &	Low economic	D	17%	22%	17%	19%	16%	12%	17%	15%	13%	n/a	14%	13%
Economic	resources and	Not	12%	11%	9%	9%	8%	7%	7%	6%	5%	n/a	6%	5%
Resources	financial	OR/p	1.58**	2.47***	2.14***	2.36***	2.04***	1.72**	2.64***	2.60***	2.66***	n/a	2.45***	2.95***
	stress/ material	CI	1.22-	1.85-	1.61-	1.77-	1.52-	1.22-	2.00-	1.81-	1.88-		1.83-	2.14-
	deprivation:		2.04	3.29	2.84	3.15	2.73	2.44	3.84	3.74	3.74		3.28	4.09
	-													
	Percentage of													
	population in													
	income poverty													
	(< 60% median													
	equivalised													
	household													
	income) and													
	hardship (one or													
	more out of													
	seven possible													
	items) ⁱⁱⁱ													
	Financial	D	55%	47%	45%	40%	38%	38%	42%	36%	33%	n/a	37%	39%
	stress/material	Not	40%	32%	30%	27%	26%	26%	25%	22%	23%	n/a	25%	22%
	deprivation:	OR/p	1.82***	1.84***	1.86***	1.77***	1.77***	1.75***	2.23***	2.05***	1.72***	n/a	1.80***	2.35***
		CI	1.50- 2.20	1.46- 2.32	1.51- 2.29	1.42- 2.20	1.43- 2.19	1.39- 2.19	1.83- 2.72	1.59- 2.65	1.37- 2.16		1.48- 2.20	1.90- 2.90
	Percentage of		2.20	2.32	2.29	2.20	2.19	2.19	2.12	2.00	2.10		2.20	2.90
	population with													
	one or more out													
	of seven													
	possible													
	financial stress /													
	deprivation													
	items ^{iv}													

²⁰ Left behind: Monitoring the social inclusion of young Australians with disabilities 2001-2012

Health	People with	D	24%	21%	25%	19%	22%	25%	23%	23%	23%	23%	21%	21%
	mental illness:	Not	9%	8%	9%	10%	10%	9%	8%	8%	9%	8%	7%	9%
		OR/p	3.12***	2.93***	3.20***	2.13***	2.70***	3.28***	3.51***	3.46***	3.16***	3.39***	3.43***	2.60***
	Percentage of	CI	2.45-	2.17-	2.47-	1.61-	2.08-	2.51-	2.73-	2.57-	2.41-	2.60-	2.66-	2.03-
	people with		3.97	3.95	4.14	2.82	3.50	4.29	4.50	4.68	4.13	4.42	4.42	3.34
	probable mental													
	illness ^v													
	Self-assessed	D	27%	23%	21%	19%	21%	20%	20%	23%	16%	22%	19%	16%
	health:	Not	5%	6%	6%	7%	6%	5%	5%	5%	4%	4%	5%	5%
		OR/p	7.57***	4.59***	4.11***	3.33***	4.59***	4.57***	4.35***	5.99***	4.32***	5.99***	4.84***	3.77***
	Percentage of	CI	5.78-	3.37-	3.09-	2.48-	3.44-	3.35-	3.31-	4.34-	3.10-	4.44-	3.67-	2.82-
	population with		9.89	6.26	5.46	4.47	6.13	6.24	5.72	8.26	6.01	8.09	6.38	5.04
	fair or poor self-													
	assessed health													
	Subjective	D	75%	78%	80%	78%	83%	75%	78%	80%	78%	79%	77%	81%
	quality of life:	Not	88%	89%	90%	90%	89%	90%	91%	92%	90%	92%	91%	92%
		OR/p	0.38***	0.44***	0.40***	0.39***	0.56***	0.33***	0.33***	0.36***	0.37***	0.36***	0.32***	0.39***
	Percentage of	CI	0.31-	0.33-	0.31-	0.30-	0.44-	0.26-	0.26-	0.28-	0.30-	0.28-	0.26-	0.31-
	population		0.48	.057	0.52	0.50	0.73	0.42	0.41	0.48	0.48	0.46	0.40	0.50
	reporting overall													
	satisfaction with													
	their lives (score													
	7+ on 0-10													
	scale) ^{vi}													

Education 8. Skills Non-school qualifications: Percentage of people aged 25–29 years with non-school qualifications D 62% 61% 66% 63% 63% 64% Social Resources Support from family/friends in time of people aged 18 years and over who feel that they have someone to turn to in crisis ^{viii} D 75% 80% 78% 78% 77% 74% 79% 75% 81% 78% Social Support from family/friends in time of people aged 18 years and over D 75% 80% 78% 78% 77% 74% 79% 75% 81% 78% Not 83% 84% 86% 87% 85% 84% 86% 87% 85% 84% 86% 87% 86% 87% 0.61*** 0.60**** 0.77 0.49- 0.30- 0.49- 0.43- 0.44-** 0.60**** 0.44-** 0.60**** 0.44-** 0.67** 0.58** 0.49- 0.49- 0.58+* 0.46- 0.44-* 0.44-** 0.60**** 0.44-** 0.60**** 0.44-** 0.60**	71% 0.68** 0.51- 0.91 76% 85% 0.56*** 0.43- 0.72	72% 0.69* 0.51- 0.94 73% 84% 0.51*** 0.40- 0.66
Percentage of people aged 25–29 years with non-school qualifications OR/p Cl 1.01 0.74- 1.39 0.73 0.52- 1.03 0.93 0.66- 1.31 0.45*** 0.32- 0.64 0.56** 0.42- 0.81 0.98 0.42- 0.79 0.77 0.42- 0.79 0.86 0.72- 1.34 0.77 0.52- 0.62- 1.34 0.86 0.62- 0.54- 1.19 0.77 0.54- 0.54- Social ramily/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 78% 78% 77% 74% 79% 75% 81% 78% Resources Support from family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 0.61** 0.54*** 0.60*** 0.60*** 0.60*** 0.60*** 0.61** 0.64** 0.60*** 0.60*** 0.61** 0.54*** 0.60*** 0.60*** 0.41*** 0.67* 0.58** Vears and over who feel that they have Someone to turn I.08 I.073 I.073 </th <th>0.51- 0.91 76% 85% 0.56*** 0.43-</th> <th>0.51- 0.94 73% 84% 0.51*** 0.40-</th>	0.51- 0.91 76% 85% 0.56*** 0.43-	0.51- 0.94 73% 84% 0.51*** 0.40-
people aged 25–29 years with non-school qualifications Cl 0.74- 1.39 0.52- 1.03 0.66- 1.31 0.32- 0.64 0.42- 0.81 0.40- 0.79 0.72- 1.34 0.52- 1.12 0.66- 1.12 0.54- 1.08 Social Resources Support from family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 78% 77% 74% 79% 75% 81% 78% Social family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 78% 77% 74% 79% 75% 81% 78% Social family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 87% 85% 84% 86% 0.46- 0.40- 0.73 0.79 0.72 0.60*** 0.41*** 0.67* 0.49- 0.57 0.49- 0.72 0.79 0.79 0.72 0.79 0.57 0.92 0.77	0.91 76% 85% 0.56*** 0.43-	0.94 73% 84% 0.51*** 0.40-
25-29 years with non-school qualifications 1.39 1.03 1.31 0.64 0.81 0.79 1.34 1.12 1.19 1.08 Social Resources Support from family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 78% 77% 74% 79% 75% 81% 78% 81 0.63*** 0.61** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.64*** 0.60*** 0.41*** 0.67* 0.58*** 0.63*** 0.79 0.72 0.79 0.57 0.92 0.77	76% 85% 0.56*** 0.43-	73% 84% 0.51*** 0.40-
with non-school qualifications Image: Marcol mark Image: Marcol mark Image: Mark	85% 0.56*** 0.43-	84% 0.51*** 0.40-
Qualifications D 75% 80% 78% 77% 74% 79% 75% 81% 78% Social Resources Support from family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 78% 77% 74% 79% 75% 81% 78% Social resources D 75% 80% 78% 78% 77% 74% 79% 75% 81% 78% Not 83% 84% 86% 87% 85% 84% 86% 86% 86% 86% 86% 86% 86% 0.60*** 0.60*** 0.41*** 0.60*** 0.41*** 0.67* 0.58*** 0.49- 0.73 0.79 0.72 0.79 0.57 0.92 0.77 0.77	85% 0.56*** 0.43-	84% 0.51*** 0.40-
Social Resources Support from family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn D 75% 80% 78% 77% 74% 79% 75% 81% 78% Social Resources 5 5 80% 78% 78% 77% 74% 79% 75% 81% 78% Not 83% 84% 86% 87% 85% 84% 86% 86% 86% 86% 86% 86% 86% 86% 86% 0.61*** 0.60*** 0.60*** 0.41*** 0.67* 0.58*** 0.44- 0.45- 0.41- 0.46- 0.40- 0.45- 0.79 0.72 0.79 0.57 0.92 0.77	85% 0.56*** 0.43-	84% 0.51*** 0.40-
Resources family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn Not 83% 84% 86% 87% 86% 86% 87% 86% 0.81 1.08 0.61** 0.54*** 0.60*** 0.60*** 0.60*** 0.60*** 0.41*** 0.60*** 0.49- 0.49- 0.43- 0.49- 0.49- 0.43- 0.79 0.72 0.79 0.57 0.92 0.77	85% 0.56*** 0.43-	84% 0.51*** 0.40-
Resources family/friends in time of crisis: Percentage of people aged 18 years and over who feel that they have someone to turn Not 83% 84% 86% 87% 86% 86% 87% 86% 86% 86% 87% 86% 87% 86% 87% 86% 87% 86% 87% 86% 87% 86% 87% 86% 87% 86% 87% 86% 87% 86% Not 0.63*** 0.78 0.61** 0.54*** 0.60*** 0.41*** 0.60*** 0.41*** 0.67* 0.58*** OR/p 0.63*** 0.56- 0.46- 0.40- 0.45- 0.41- 0.46- 0.30- 0.49- 0.43- OR/p 0.81 1.08 0.82 0.73 0.79 0.72 0.79 0.57 0.92 0.77	0.56*** 0.43-	0.51*** 0.40-
in time of crisis: OR/p Cl 0.63*** 0.49- 0.81 0.78 0.49- 0.81 0.61** 0.46- 0.82 0.60*** 0.40- 0.73 0.60*** 0.45- 0.79 0.60*** 0.41- 0.72 0.60*** 0.46- 0.79 0.61*** 0.46- 0.79 0.60*** 0.46- 0.79 0.61*** 0.46- 0.79 0.60*** 0.46- 0.79 0.60*** 0.46- 0.79 0.61*** 0.46- 0.79 0.60*** 0.41*** 0.46- 0.57 0.67* 0.58*** people aged 18 years and over who feel that they have someone to turn 0.61 0.82 0.73 0.79 0.72 0.79 0.57 0.92 0.77	0.43-	0.40-
Percentage of people aged 18 years and over who feel that they have someone to turn0.811.080.820.730.790.720.790.570.920.77		
Percentage of people aged 18 years and over who feel that they have someone to turn0.811.080.820.730.790.720.790.570.920.77	0.72	0.66
people aged 18 years and over who feel that they have someone to turn		
years and over who feel that they have someone to turn		
who feel that they have someone to turn		
they have Image: someone to turn	1	
someone to turn		
Autonomy— D 50% 57% 59% 59% 57% 61% 57% 49% 59% 56%	59%	59%
having a voice Not 61% 64% 65% 66% 64% 65% 68% 69% 66% 69%	69%	67%
in the OR/p 0.66*** 0.73** 0.76* 0.73** 0.75** 0.84 0.62*** 0.42*** 0.72** 0.56***	0.63***	0.70***
community: CI 0.53- 0.57- 0.61- 0.58- 0.61- 0.67- 0.51- 0.33- 0.58- 0.45-	0.52-	0.58-
Description 0.81 0.93 0.95 0.91 0.93 1.06 0.76 0.54 0.89 0.69	0.76	0.86
people aged 18		
years and over		
who report		
being satisfied		
in belonging to		
their local		
community ^{viii}		

Personal	Feelings of	D	22%	19%	13%	13%	12%	14%	11%	12%	10%	11%	14%	10%
Safety	safety:	Not	11%	9%	7%	6%	7%	6%	5%	5%	4%	4%	6%	5%
	-	OR/p	2.33***	2.32***	2.02***	2.51***	1.84***	2.69***	2.19***	2.87***	2.76***	3.12***	2.54***	2.11***
	Percentage of	CI	1.79-	1.69-	1.44-	1.76-	1.32-	1.88-	1.58-	1.94-	1.89-	2.14-	1.89-	1.50-
	people aged 18		3.05	3.19	2.82	3.59	2.58	3.84	3.03	4.26	4.04	4.55	3.42	2.99
	years and over													
	who feel unsafe													
	in their local													
	community ^{ix}													
	Victim of	D		10%	7%	7%	5%	6%	6%	7%	3%	4%	5%	6%
	personal	Not		3%	2%	2%	3%	2%	3%	3%	2%	2%	2%	1%
	crime:	OR/p		3.55***	3.20***	2.89***	1.74*	2.88***	2.36**	2.47**	1.51	2.43*	2.65***	4.17***
		CI		2.17-	1.91-	1.68-	1.02-	1.64-	1.43-	1.40-	0.77-	1.30-	1.54-	2.41-
	Percentage of			5.80	5.36	4.95	2.97	5.04	3.89	4.35	2.96	4.56	4.56	7.20
	people aged 18													
	years and over													
	who report													
	having been the													
	victim of													
	violence in last													
	year ^x													
	Victim of	D		12%	10%	7%	7%	6%	8%	6%	7%	4%	5%	5%
	household	Not		10%	8%	8%	7%	6%	5%	5%	5%	5%	5%	4%
	crime:	OR/p Cl		1.29 0.86-	1.16 0.78-	0.81 0.50-	1.02 0.66-	0.94 0.56-	1.61* 1.05-	1.09 0.61-	1.40 0.87-	0.77 0.42-	1.07 0.67-	1.08 0.65-
	0/	CI		1.92	1.72	1.31	1.59	1.57	2.45	1.95	2.27	1.42	1.72	0.65- 1.79
	% of people			1.52	1.72	1.01	1.55	1.57	2.45	1.35	2.21	1.42	1.72	1.75
	aged 18+													
	reporting being													
	victim of													
	property crime													
	in last year ^{xi}													

Multiple &	Multiple	D	16%	16%	13%	12%	14%	14%	10%	17%	7%	8%	12%	10%
entrench-	disadvantage:	Not	5%	4%	4%	4%	3%	3%	3%	2%	2%	2%	3%	3%
ed	Three or more	OR/p	3.65***	4.54***	3.21***	3.31***	4.93***	5.03***	4.40***	8.88***	3.44***	5.12***	5.39***	3.28***
disadvant-	of six selected	CI	2.62-	3.03-	2.18-	2.19-	3.30-	3.31-	2.92-	5.61-	2.05-	8.62	3.65-	2.30-
age	areas of		5.10	6.81	4.72	5.01	7.38	7.66	6.63	14.06	5.76		7.97	4.68
	disadvantage													
	(covering													
	income, work,													
	health,													
	education,													
	safety &													
	support) ^{xii}													
	Multiple	D	11%	10%	8%	8%	8%	10%	6%	12%	6%	4%	8%	8%
	disadvantage	Not	4%	3%	3%	4%	2%	2%	2%	1%	2%	1%	2%	3%
	(excluding	OR/p	2.70***	3.30***	2.70***	2.39***	3.41***	4.89***	3.22***	9.07***	3.82***	3.34**	4.13***	3.00***
	health):	CI	1.85-	2.04-	1.70-	1.49-	2.08-	2.98-	1.97-	5.22-	2.09-	1.73-	2.59-	2.02-
			3.96	5.31	4.31	3.85	5.60	8.03	5.28	15.78	6.99	6.47	6.57	4.45
	Three or more													
	of five selected													
	areas of													
	disadvantage													
	(covering													
	income, work,													
	education,													
	safety &													
	support, but													
	excluding													
	health)													

Multiple &	Entrenched	D	9%	7%	8%	12%	16%	6%	14%	8%	4%	5%	5%
entrench-	multiple	Not	2%	2%	2%	2%	1%	1%	2%	1%	1%	1%	1%
ed	disadvantage:	OR/p	4.81***	4.93***	4.24***	7.19***	12.62**	6.68***	9.77***	5.89*	5.87***	6.87***	11.58**
disadvant-		CI	2.57-	2.42-	1.96-	3.37-	*	2.11-	3.14-	1.28-	2.56-	3.14-	*
age	As above for 2		9.00	10.05	9.14	15.35	5.19-	21.12	30.40	27.06	13.45	15.03	5.32-
	consecutive						30.70						25.20
	years												
	Entrenched	D	4%	5%	5%	7%	8%	3%	14%	7%	3%	4%	4%
	Multiple	Not	2%	1%	2%	2%	1%	1%	1%	1%	1%	1%	<1%
	disadvantage	OR/p	2.44*	3.90**	2.75*	4.15**	9.96***	3.85	14.73**	5.92*	5.62**	7.10***	14.32**
	(excluding	CI	1.08-	1.71-	1.16-	1.71-	3.19-	0.91-	*	1.29-	2.15-	2.91-	*
	health):		5.51	8.91	6.65	10.05	31.15	16.34	4.14-	27.19	14.69	17.30	5.26-
	nounny.								52.38				39.02
	As above for 2												
	consecutive												
	years												

D = Disabled young people

Not= Non-disabled young people

OR = Odds ratio CI= Confidence interval

* p<0.05, ** p<0.01, *** p<0.001

- i. ASIB indicator is age range 15-64
- ii. ASIB indicator is 'in the last three months'
- iii. ASIB indicator yet to be defined
- iv. ASIB indicator based on 5 or more out of 15 items
- v. ASIB indicator also based on employment rate of people with mental health problems
- vi. ASIB indicator uses variety of scales and reporting methods
- vii. ASIB indicator based on support from 'persons living outside the household'
- viii. ASIB indicator based on people reporting that 'they have a say in the community on issues that are important to them'
- ix. ASIB indicator based on 'feeling unsafe at home alone or in their local community at night (excluding family violence)'
- x. ASIB indicator based on set of specific crimes
- xi. ASIB indicator based on set of specific crimes
- xii. Some minor changes made to two of the constituent indicators

TABLE 3: STATISTICS UNDERLYING THE SCORECARD OF AUSTRALIA'S PROGRESS IN PROMOTING THE SOCIAL INCLUSION OF YOUNG AUSTRALIANS WITH DISABILITIES: 2001-2012

Domain	Indicator (Shaded Cells = Headline Indicator)	Da	ND ^a	Gap⁵
Work	1. Employment rate	48	+.13	61*
	2. Jobless households	37	72**	+.64*
	3. Long-term unemployment	+.12	24	+.59*
Learn	4. Young people fully engaged in education or work	42	+.07	60*
	5. Year 12 or equivalent attainment	+.54	+.54	+.34
Engage	6. Contacted family/friends	64*	86**	+.08
	7. Participation in community groups	19	56	+.37
	8. Got together socially with family or friends	01	+.00	+.09
	9. Voluntary work	60*	08	63*
Material & Economic Resources	10. Low economic resources and financial stress/ material deprivation	71*	94***	+.69*
	11. Financial stress/material deprivation	75**	83**	+.12
Health	12. People with mental illness	18	40	+.31
	13. Self-assessed health	66*	60*	07
	14. Subjective quality of life	+.24	+.83**	52
Education & Skills	15. Non-school qualifications	+.30	+.71**	18
Social Resources	16. Support from family/friends in time of crisis	23	+.26	53
	17. Autonomy—having a voice in the community	+.23	+.80**	48
Personal Safety	18. Feelings of safety	73**	+.81**	+.36
	19. Victim of personal crime	65*	51	21
	20. Victim of household crime	83**	92***	13
Multiple & entrenched disadvantage	21. Multiple disadvantage	62*	78**	+.28
	22. Multiple disadvantage (excluding health)	45	60*	+.46
	23. Entrenched multiple disadvantage	39	75**	+.52
	24. Entrenched Multiple disadvantage (excluding health)	04	75**	+.72*
	alians with disabilities; ND - young Australians without dis .01 , *** p<0.001	sabilities	-1	1