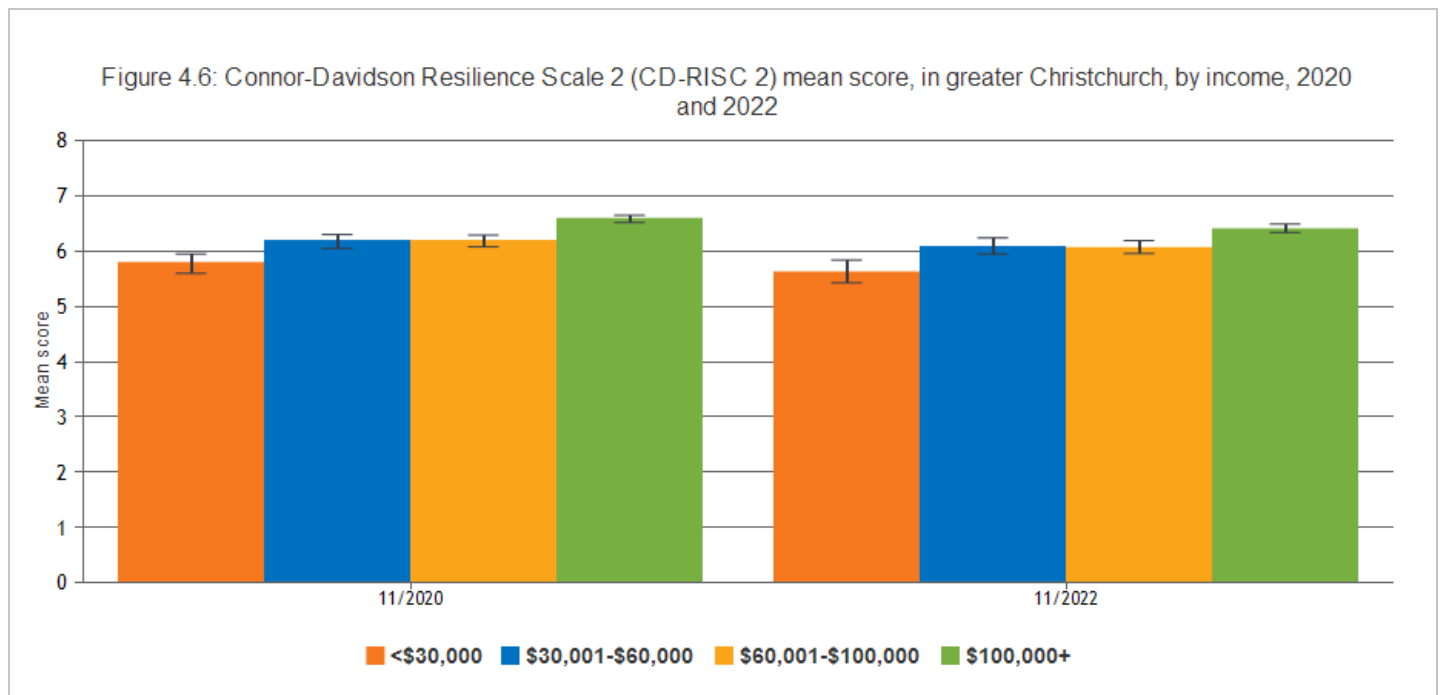


Resilience: Breakdown by income

Downloaded from <https://www.canterburywellbeing.org.nz/our-wellbeing/subjective-wellbeing/resilience/#link-breakdown-by-income> on 07/10/2024 3:30 PM



The figure shows a clear positive relationship between income and resilience (CD-RISC-2[®] mean scores), with mean resilience scores increasing with increasing annual household income. The mean scores of the three highest income groups shown are statistically significantly higher than the <\$30,000 income group in 2020 and 2022 (<\$30,000 group mean score 5.6 compared with the \$30,000-\$60,000 group, 6.1; \$60,001-\$100,000 group 6.1; and \$100,000+ group, 6.4, in 2022). Respondents from the \$100,000+ income group had statistically significantly higher mean resilience scores than all the other groups.

Data Sources for Resilience

Source: Te Whatu Ora Waitaha Canterbury.

Survey/data set: Canterbury Wellbeing Survey 2020 to 2022. Access publicly available data from Te Mana Ora | Community and Public Health website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

Metadata for the Resilience indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

REFERENCES

This is the full reference list for **Subjective Wellbeing**.

- 1 Aked J, Marks N, Cordon C, Thompson S (2008) *Five Ways to Wellbeing: A report presented to the Foresight Project on communicating the evidence base for improving people's well-being*. London: New Economics Foundation.
- 2 Diener E, Wirtz D, Tov W, Kim-Prieto C, Choi D (2009) New measures of well-being: Flourishing and positive and negative feelings. *Social Indicators Research* 39: 247-266.
- 3 UK Government (2010) *Confident communities, brighter futures: A framework for developing wellbeing*. UK Government: Department of Health and New Horizons.
- 4 Beaglehole B, Mulder RT, Frampton CM, Boden JM, Newton-Howes G, et al. (2018) Psychological distress and psychiatric disorder after natural disasters: Systematic review and meta-analysis. *The British Journal of Psychiatry*: 1-7.
- 5 Bidwell S (2011) *Long term planning for recovery after disasters: Ensuring health in all policies (HiAP)*. Community and Public Health for Healthy Christchurch. 4–5 p.
- 6 Bonanno GA, Diminich ED (2013) Annual Research Review: Positive adjustment to adversity -Trajectories of minimal-impact resilience and emergent resilience. *Journal of child psychology and psychiatry, and allied disciplines* 54: 378-401.
- 7 Galea S, Nandi A, Vlahov D (2005) The epidemiology of post-traumatic stress disorder after disasters. *Epidemiol Rev* 27: 78-91.
- 8 Lock S, Rubin GJ, Murray V, Rogers MB, Amlot R, et al. (2012) Secondary stressors and extreme events and disasters: A systematic review of primary research from 2010-2011. *PLoS Curr* 4.
- 9 Ramanathan CS, Dutta S, editors (2013) *Governance, Development, and Social Work*. London: Routledge Publishers (Taylor and Francis Group).
- 10 Bowling A (2001) *Measuring Disease. A Review of Disease-specific Quality of Life Measurement Scales*. Buckingham: Open University Press.
- 11 CERA (2012) *CERA Wellbeing Survey 2012 Report, prepared by AC Nielsen for the Canterbury Earthquake Recovery Authority*. AC Nielsen and the Canterbury Earthquake Recovery Authority.
- 12 Topp CW, Ostergaard SD, Sondergaard S, Bech P (2015) The WHO-5 Well-Being Index: A systematic review of the literature. *Psychother Psychosom* 84: 167-176.
- 13 Selye H (1936) A syndrome produced by diverse noxious agents. *Nature* 138.
- 14 Chandola T, Britton A, Brunner E, Hemingway H, Malik M, et al. (2008) Work stress and coronary heart disease: What are the mechanisms? *European Heart Journal* 29: 640-648.
- 15 Selye H (1976) *Stress in health and disease*. Stoneham MA: Butterworth-Heinemann.
- 16 World Health Organization (2013) *Guidelines for the management of conditions specifically related to stress*. Geneva: WHO.
- 17 CDHB (2020) *Canterbury Wellbeing Survey, 2020: Report prepared by Nielsen for the Canterbury District Health Board and partnering agencies*. Christchurch: Canterbury District Health Board.
- 18 *The Quality of Life Project. Report prepared by Nielsen for the Auckland, Wellington, Christchurch, and Dunedin City Councils and partnering agencies*. Available from: www.qualityoflifeproject.govt.nz/survey.htm.
- 19 Vaishnavi S, Connor K, Davidson JRT (2007) An abbreviated version of the Connor-Davidson Resilience Scale (CD-RISC), the CD-RISC2: Psychometric properties and applications in psychopharmacological trials. *Psychiatry research* 152: 293-297.
- 20 Windle G, Bennett KM, Noyes J (2011) A methodological review of resilience measurement scales. *Health and Quality of Life Outcomes* 9: 8.
- 21 Davidson JRT (2020) Connor-Davidson Resilience Scale (CDRISC) Manual. Unpublished.
- 22 Connor KM, Davidson JR (2003) Development of a new resilience scale: The Connor-Davidson Resilience Scale (CD-RISC).
- 23 Windle G (2011) What is resilience? A review and concept analysis. *Reviews in Clinical Gerontology* 21: 152-169.
- 24 Bonanno G (2004) Loss, Trauma, and Human Resilience: Have We Underestimated the Human Capacity to Thrive After Extremely Aversive Events? *American Psychologist* 59: 20-28.

- 25 Richardson GE (2002) The metatheory of resilience and resiliency. *Journal of Clinical Psychology* 58: 307-321.
- 26 Richardson GE, Neiger BL, Jensen S, Kumpfer KL (1990) The Resiliency Model. *Health Education* 21: 33-39.
- 27 Statistics New Zealand (2016) *New Zealand General Social Survey 2016*. Wellington: Statistics New Zealand.
- 28 Families Commission (2013) *Families and whānau Status report: Towards measuring the wellbeing of families and whānau*. Wellington: Families Commission.
- 29 Wollny I, Apps J, Henricson C (2010) *Can government measure family wellbeing?* London: Family and Parenting Institute. Available from: <https://www.familyandparenting.org/Resources/FPI/Documents/CanGovernmentMeasureFamilyWellbeing.pdf>.
- 30 Cotterell G, von Randow M, Wheldon M (2008) *Measuring Changes in Family and Whānau Wellbeing Using Census Data, 1981–2006: A preliminary analysis*. Wellington: Statistics New Zealand.
- 31 Baker K (2016) *The Whānau Rangatiratanga Frameworks: Approaching whānau wellbeing from within Te Ao Māori*. Wellington: Social Policy Evaluation and Research Unit.
- 32 Fletcher M (2007) Issues in developing a conceptual framework for 'family wellbeing'. National Family Wellbeing Symposium, Canberra, 20–21 June 2007.
- 33 Statistics New Zealand (2006) *International developments in family statistics*. Wellington: Statistics New Zealand.
- 34 Statistics New Zealand (2007) *Review of official family statistics. Consultation Paper*. New Zealand: Wellington.
- 35 Statistics New Zealand (2013) *Te Kupenga 2013: A survey of Māori well-being questionnaire*. Wellington: Statistics New Zealand.
- 36 Statistics New Zealand (2018) *New Zealand General Social Survey 2018 data dictionary (version 29)*. Statistics New Zealand.