

Towards a multidimensional approach to poverty measurement

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Let's make change that lasts

Motivation



- In Australia, there is no agreed definition or measure of poverty
- Problematic both nationally and internationally
- Nationally:
 - Difficult to target policies or to assess progress on addressing poverty if it is not measured
 - Economic Inclusion Advisory Committee (EIAC), recommends:
 - Commitment from government to legislate measure on poverty and economic inclusion
 - Establishment of a multidimensional poverty index
 - Henderson Inquiry First Main Report, which turns 50 years old next year

Motivation

- In Australia, there is no agreed definition or measure of poverty
- Problematic both nationally and internationally
- Internationally:
 - Australia is a signatory of the UN Sustainable Development Goals (SDG)
 - Goal 1: Eradicating all poverty
 - > Targets 1.2.1 and 1.2.2 to reduce at least by half:
 - Target 1.2.1: the proportion of population living below the national poverty line, by sex and age'; and
 - Target 1.2.2: the proportion of men, women, and children of all ages living in poverty in all its dimensions according to national definitions



Motivation

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- Australia is off track on the SDG 1.2.1
 - Poverty rates increased from 12.1% to 14.1% between 2016 2024 (Sachs et al., 2024; Productivity Commission, 2024a)
- Progress on SDG 1.2.2 not known
 - Australia lacks a multidimensional poverty measure
 - 84 countries (including Canada and New Zealand) report multidimensional poverty data to the Global SDG Indicators Database



Proposed poverty framework for measuring and defining poverty in Australia



Proposed approach

- Dual Poverty Measure
 - Monetary component
 - Multi-dimensional component



Multidimensional poverty measures as a critical accompaniment to monetary measures



- 84 countries currently use multidimensional poverty measures
 - 43 countries have a national Multidimensional Poverty Index (MPI)
 - 34 EU countries report annual multidimensional measures for those At Risk of Poverty or Social Exclusion (AROPE)
 - Key organisations utilising this approach
 - > UNICEF
 - World Bank
 - United Nations Development Program (UNDP)
 - ➤ European Union (EU)
 - US Census Bureau



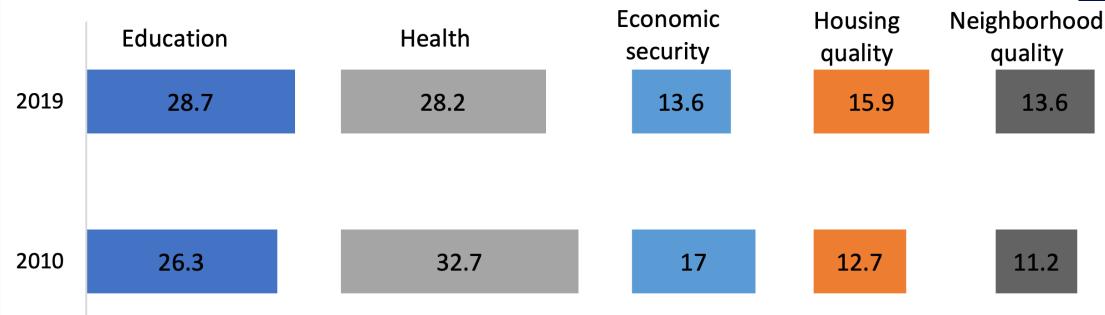
What is an MPI?



- Developed using the Alkire-Foster method, summarising poverty across multiple dimensions in a single index like education, health, and housing
- The most widely used measure of multidimensional poverty internationally
 - Index ranges from 0 to 1 higher values signify greater poverty across dimensions
 - Decomposable:
 - Breaks down contributions of individual dimensions to the overall index
 - Enables breakdowns by demographic groups (e.g., household type, ethnicity, geography, age)

Contribution of dimensions to the MDI only rate: 2010 and 2019



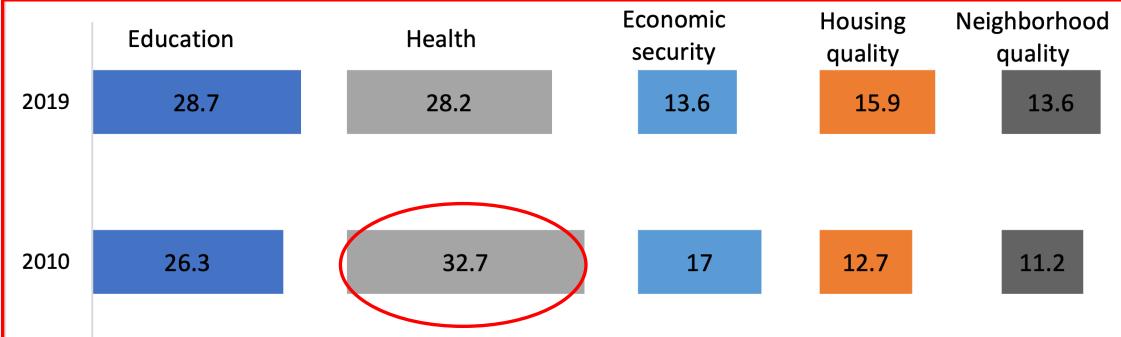


Note: All changes over time are statistically significant at the 90 percent confidence level. Source: U.S. Census Bureau, 2019 American Community Survey 1-year data. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see https://www.census.gov/programs-surveys/acs/technical-documentation.html.



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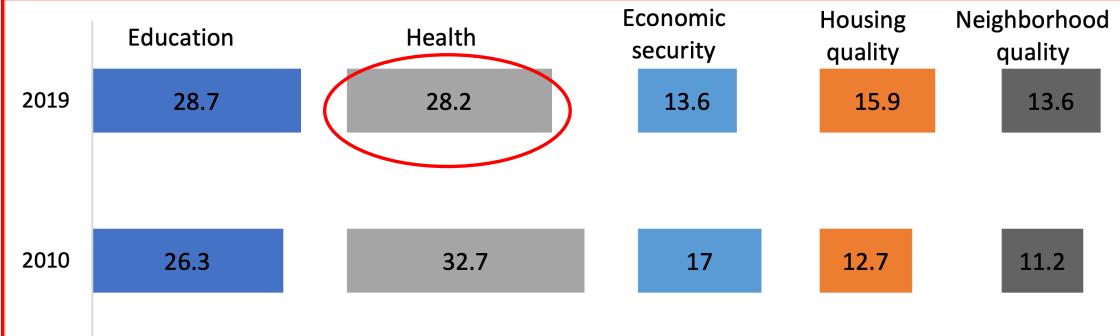


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Multidimensional poverty measures as a critical accompaniment to monetary measures



- Provides a more comprehensive view of poverty's complexities
 - Identifies individuals experiencing multiple deprivations
 - Sheds insight into structural poverty
 - Enable more targeted and effective policy interventions



Considerations for implementing an MPI



- Deciding which dimensions and indicators to include
 - ➤ Global MPI encompasses three dimensions: health; education and living standards, measured across 10 indicators.
 - ➤ The World Bank's Monitoring Global Poverty study recommends six dimensions: health, nutrition, education, housing and services, work, and violence
 - Social Exclusion Monitor (BSL/Melbourne Institute)
 - seven dimensions: material resources; employment; education and skills; health and disability; social; community; and personal safety.

Considerations for implementing an MPI



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- Weights
 - Involves value judgment
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- Cutoffs
 - > First cutoff determines whether individual is deprived in dimension x
 - Second cutoff determines whether individual is considered multidimensionally deprived