

Answer to question on notice

Associate Professor Andrew McGregor, Planetary Health Equity and Research Network (PHERN)

The CHAIR: Thank you for that. I might start with questions there. In your submissions you both talk about the need to improve monitoring and measurement. It is obviously one of the key starting points to us having a proper food security plan or establishing a food security authority of some sort. In terms of what you would like to see to measure food security in New South Wales or Australia, could you maybe both take us through the monitoring and measuring tools that you think need to be in place, and potentially examples of where that is done well?

Answer provided:

Please find some links below to papers that respond to the issue raised:

Reviews of food security measurement tools:

McKay FH, Haines BC, Dunn M. Measuring and Understanding Food Insecurity in Australia: A Systematic Review. *Int J Environ Res Public Health*. 2019 Feb 6;16(3):476. doi: 10.3390/ijerph16030476. PMID: 30736305; PMCID: PMC6388276.

<https://pubmed.ncbi.nlm.nih.gov/30736305/>

Carrillo-Álvarez E, Salinas-Roca B, Costa-Tutusaus L, Milà-Villarroel R, Shankar Krishnan N. The Measurement of Food Insecurity in High-Income Countries: A Scoping Review. *Int J Environ Res Public Health*. 2021 Sep 17;18(18):9829. doi: 10.3390/ijerph18189829. PMID: 34574753; PMCID: PMC8468034. <https://pubmed.ncbi.nlm.nih.gov/34574753/>

And why the single item food insecurity tool is insufficient:

McKechnie, R., Turrell, G., Giskes, K., Gallegos, D. 2018 Single-item measure of food insecurity used in the National Health Survey may underestimate prevalence in Australia. *Australian and New Zealand Journal of Public Health* 42, 4, 389-395 <https://doi.org/10.1111/1753-6405.12812>

And a link to the preferred USDA tool:

<https://www.ers.usda.gov/media/8282/short2012.pdf>