

Do Gender Inequities in Agriculture Affect Food Security and Nutrition Outcomes?

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2019

The Gender Gap in Agriculture

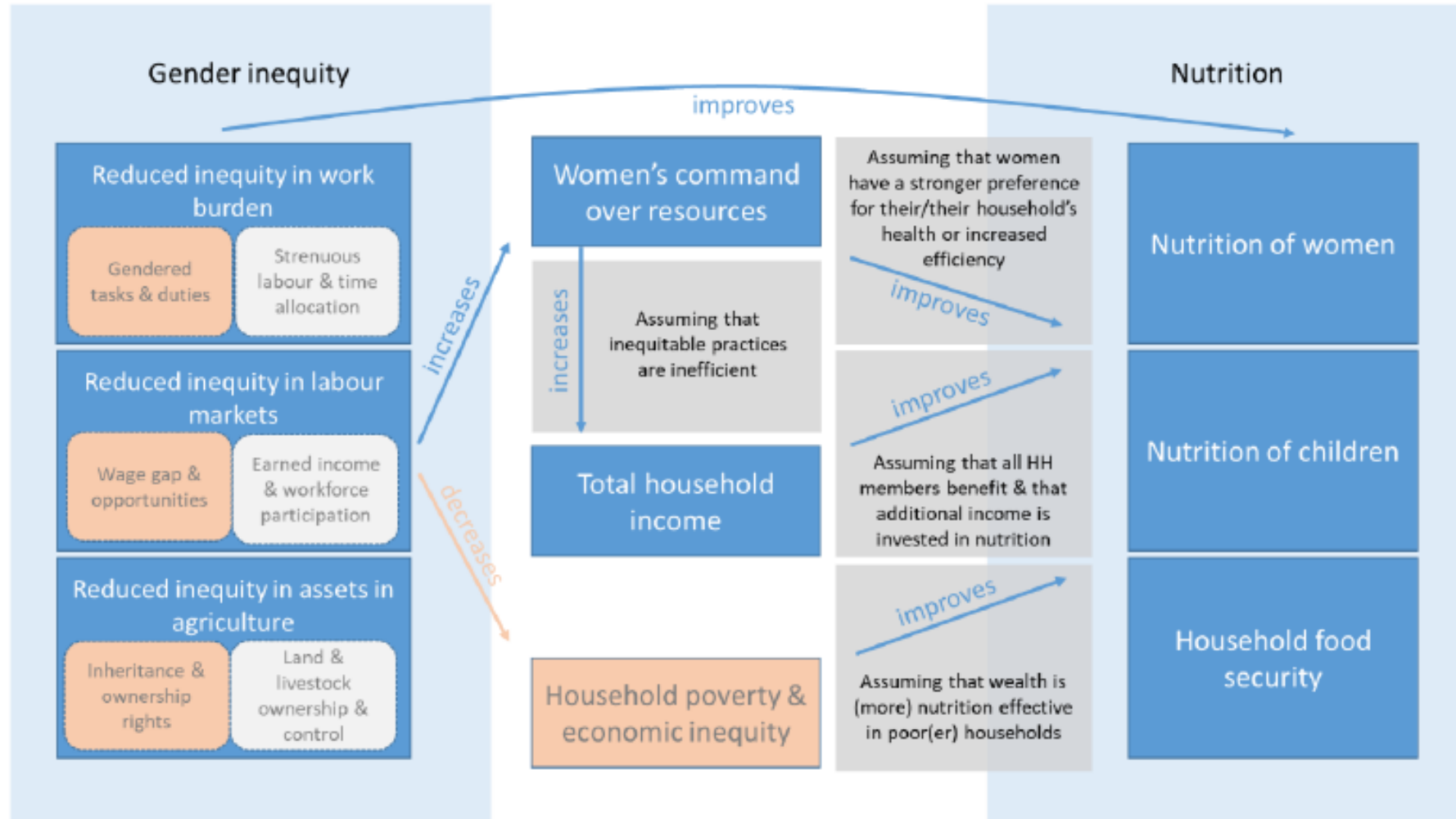
FAO (2011):

- Women are 43 percent of the agricultural labour force
- Women own between 10 and 20 percent of agricultural land
- If women had the same access to agricultural resources, yields could be 20-30 percent higher

The Research Question

“Does increasing gender equity in agriculture improve household food security and nutrition for women and children?”

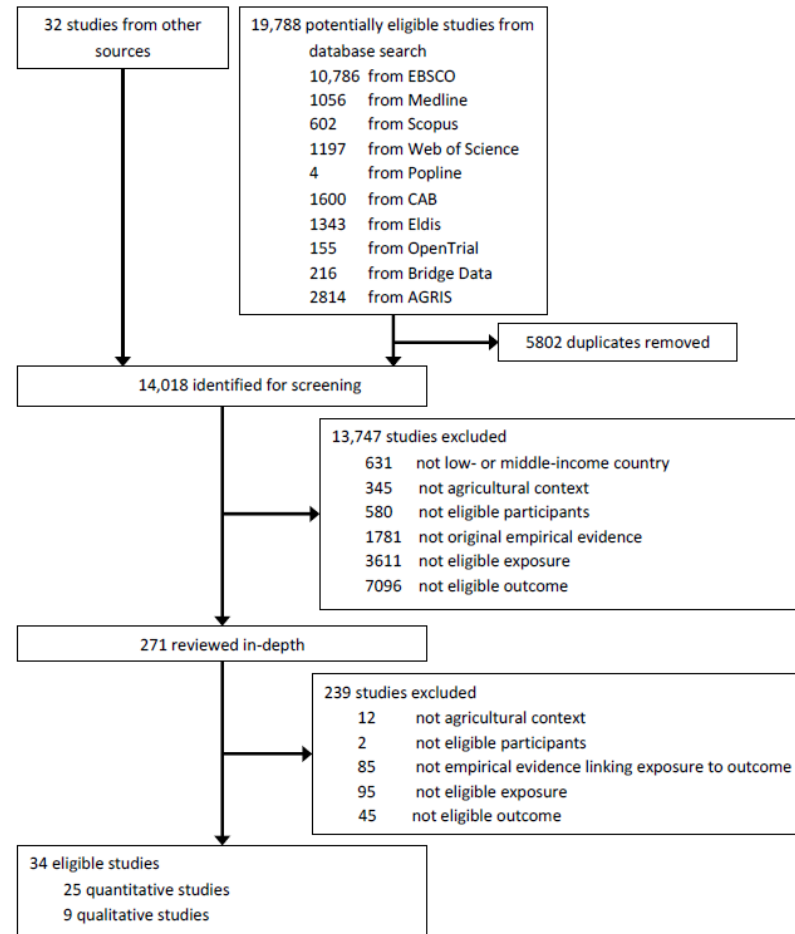
Pathways



What We were Looking for

- Quantitative and qualitative
- Correlation and causation
- Low and middle income countries
- No publication date/type or language restrictions

How We Found Evidence

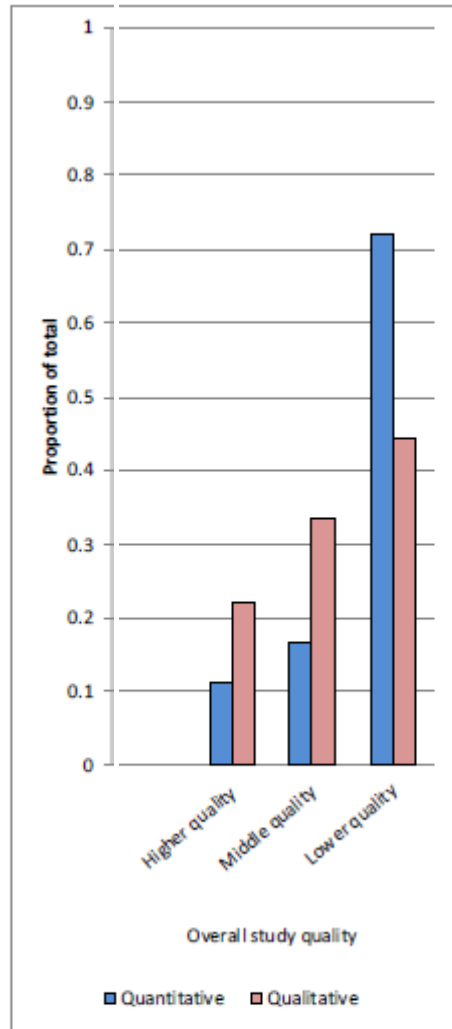


Distribution of Estimates

	Women Nutrition		Child Nutrition		Food Security	
Labour Markets	0	1	8	0	8	5
Agricultural Assets	0	0	2	0	11	3
Work Burden	0	2	0	2	0	0






	Quant		Qual
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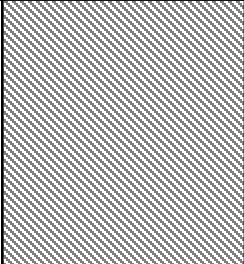
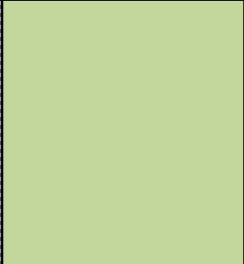
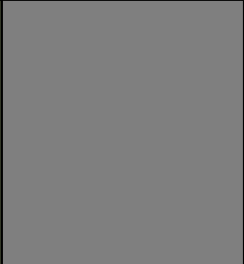
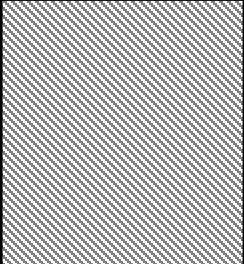


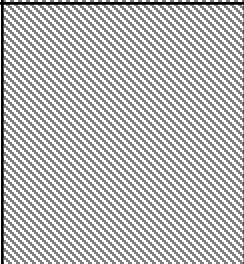
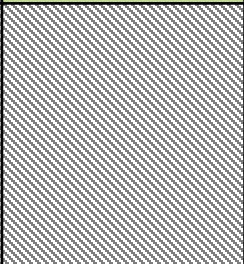
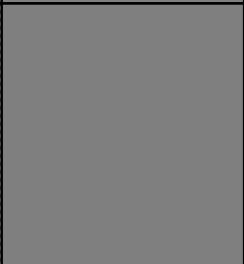
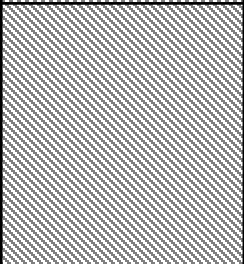
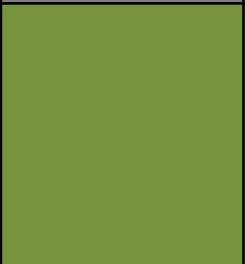

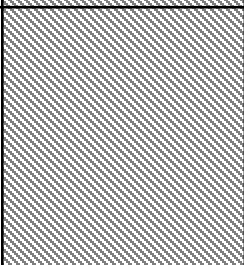
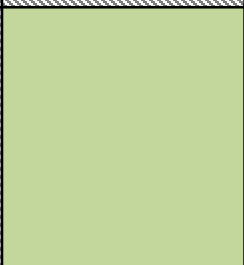
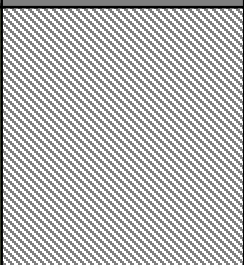
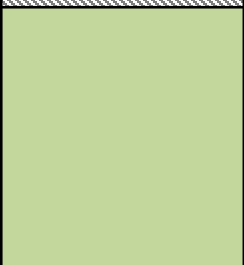
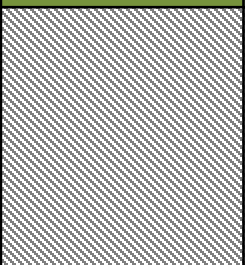
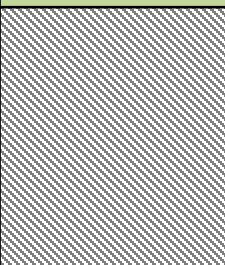
Not All Evidence is Created Equal



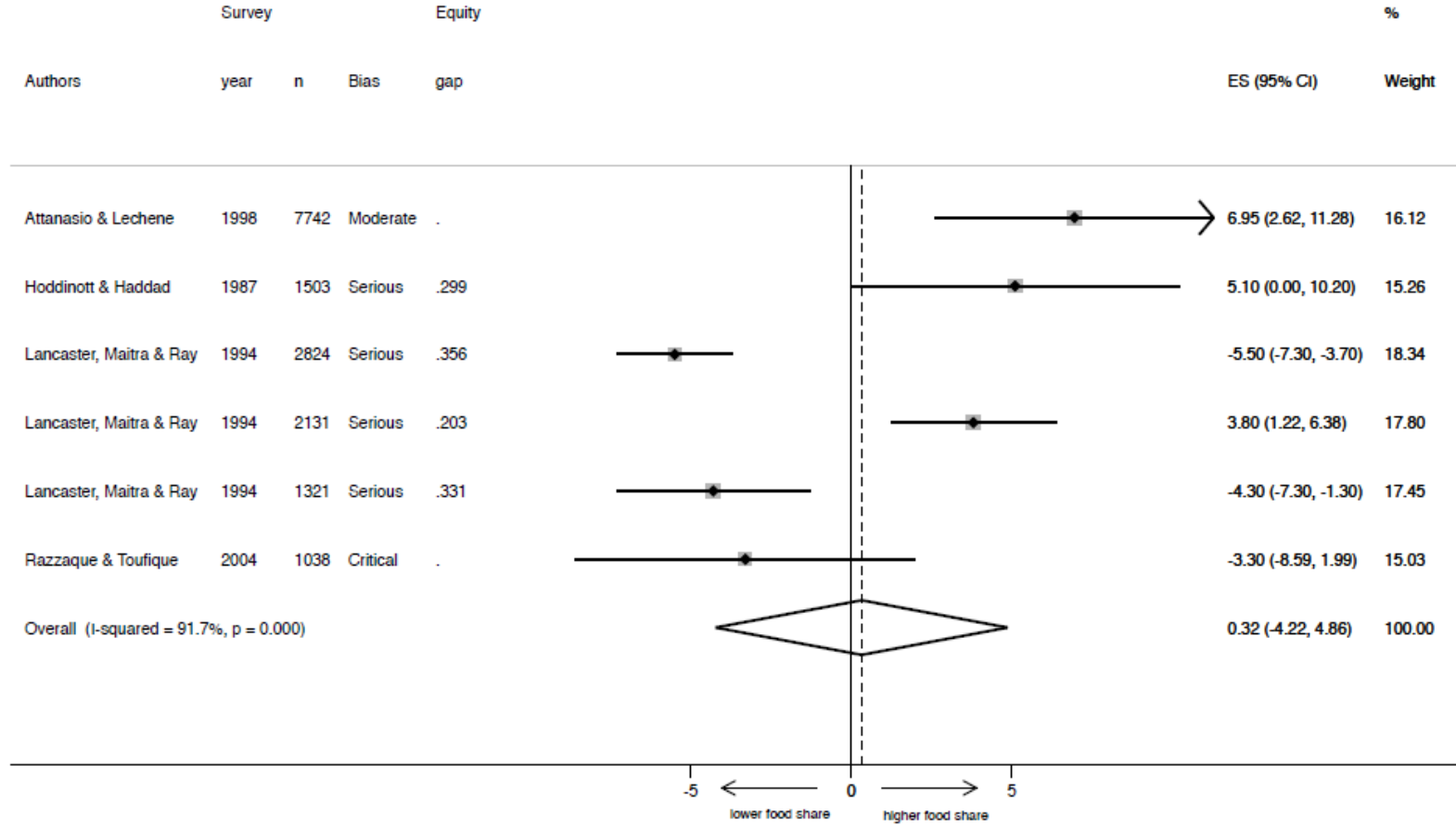
- Assessed risk of bias for quantitative, quality for qualitative
 - ROBINS I and Lockwood, Munn and Poritt
- Generally high risk of bias/low study quality
- Authors did brilliant work, but inherently hard to research

Results

	No Evidence		Inconclusive Evidence		Very limited positive evidence		Limited positive evidence		Positive evidence
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	Women Nutrition		Child Nutrition		Food Security	
Labour Markets					Meta-Analysis 	
Agricultural Assets						
Work Burden						
	Quant	Qual	Quant	Qual	Quant	Qual

Results



Results

But...

- Higher quality evidence tends to support the hypothesis
 - Attanasio and Lechene (2002)
 - Duflo and Udry (2004)
 - Van den Broeck, van Hoyweghen and Maertens (2018)

Conclusion

- General and strong conclusions not supported by this systematic review
- More research needed...
- Causal identification
 - Some research on the way
 - Scope for creative (natural) experiments
- Non-comparable evidence

References

- Attanasio O & Lechene V (2002) Tests of income pooling in household decisions. *Review of Economic Dynamics* 5(4):720–748.
- Duflo E & Udry C (2004) Intrahousehold resource allocation in Cote d'Ivoire: Social norms, separate accounts and consumption choices. (National Bureau of Economic Research).
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- Harris-Fry, H., S Kadiyala, H Nur and B Shankar (2018). *Protocol: The Association of Gender-Based Inequities in Agriculture with Undernutrition and Food Insecurity. A Systematic Review*.
- Van den Broeck G, Van Hoyweghen K, & Maertens M (2018) Horticultural exports and food security in Senegal. *Global Food Security* 17:162– 171.