An impermanent subsidy:

Cheap industrial food and the urban margins

Tony Weis, Marylynn Steckley and Bruce Frayne

Panel 1: Grand Challenges

Ten Years of Urbanization, Food Systems and Sustainability in the Global South. Balsillie School of International Affairs, Waterloo, July 3-4 2018

Outline

The Problems

Agriculture

Urbanization

The Conundrum

Sustainable Urbanization: Cheap Food & Poverty

A Way Forward

Food for People and Ecology

- Zero Hunger (SDG 2)
- Sustainable Cities (SDG 11)

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One meal prepared every second = 725 years

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25,000 people die every day from hunger and related causes

1 billion people food insecure

3 billion more people by 2050

+40% of agricultural land and ocean resources degraded

Climate change is upon us

Sources: FAO, IFPRI, UNFPA, UNEP

Global Urban Transition

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2010 - 50%

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1 1 4 5

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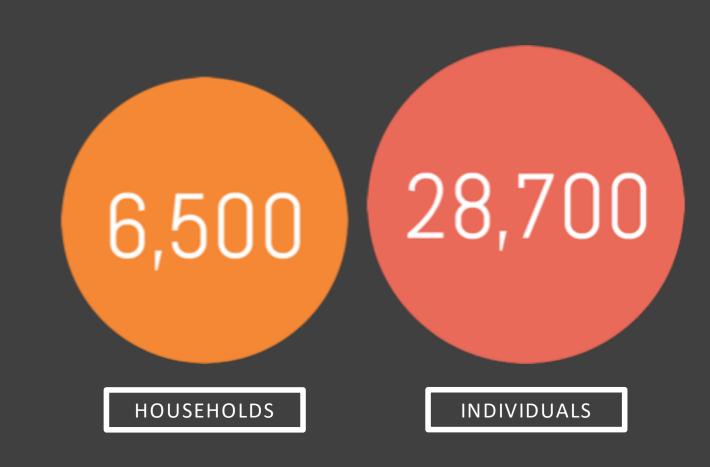
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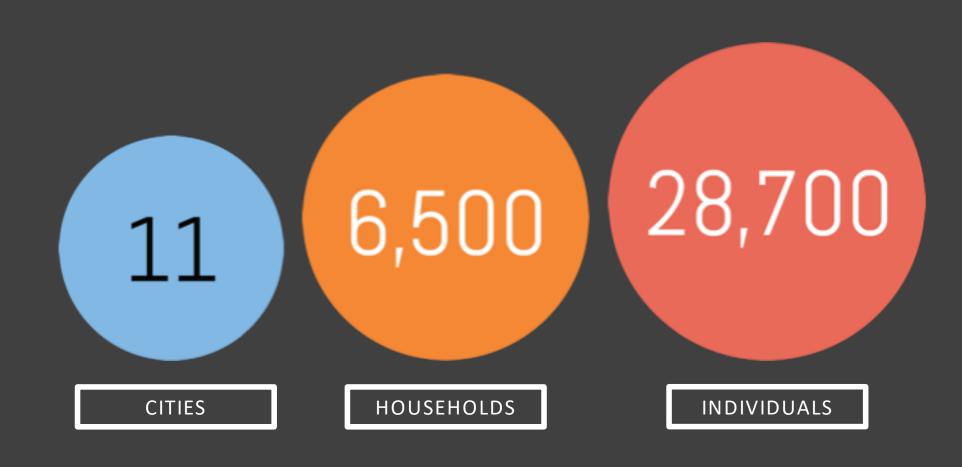
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What does the evidence show?



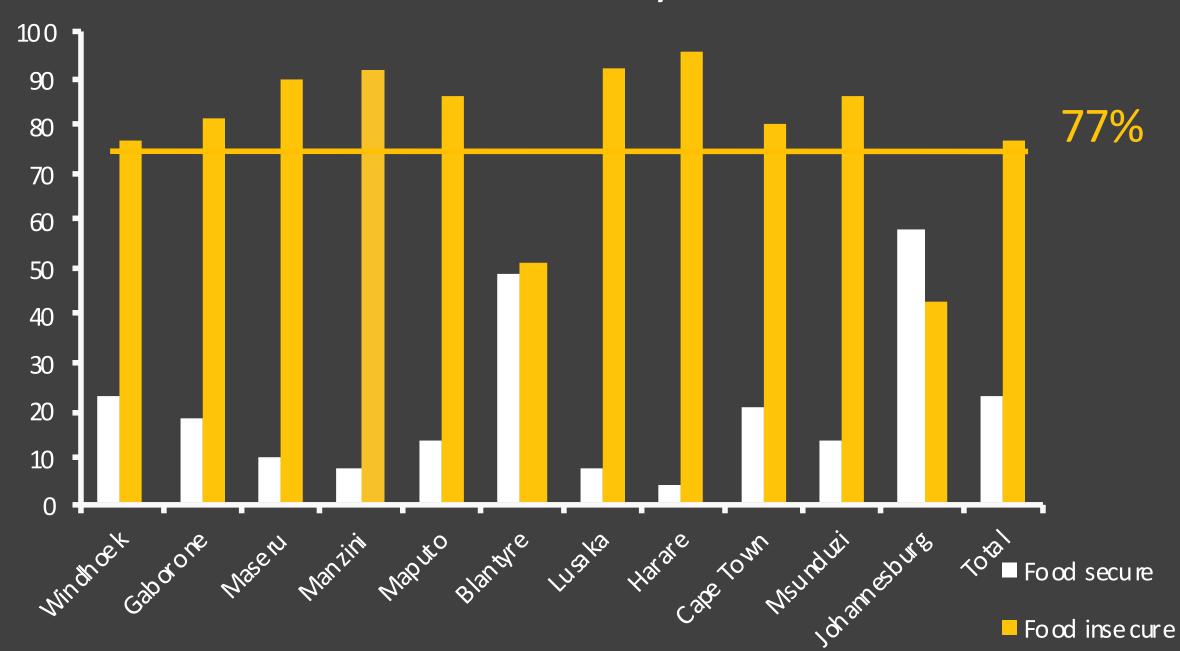






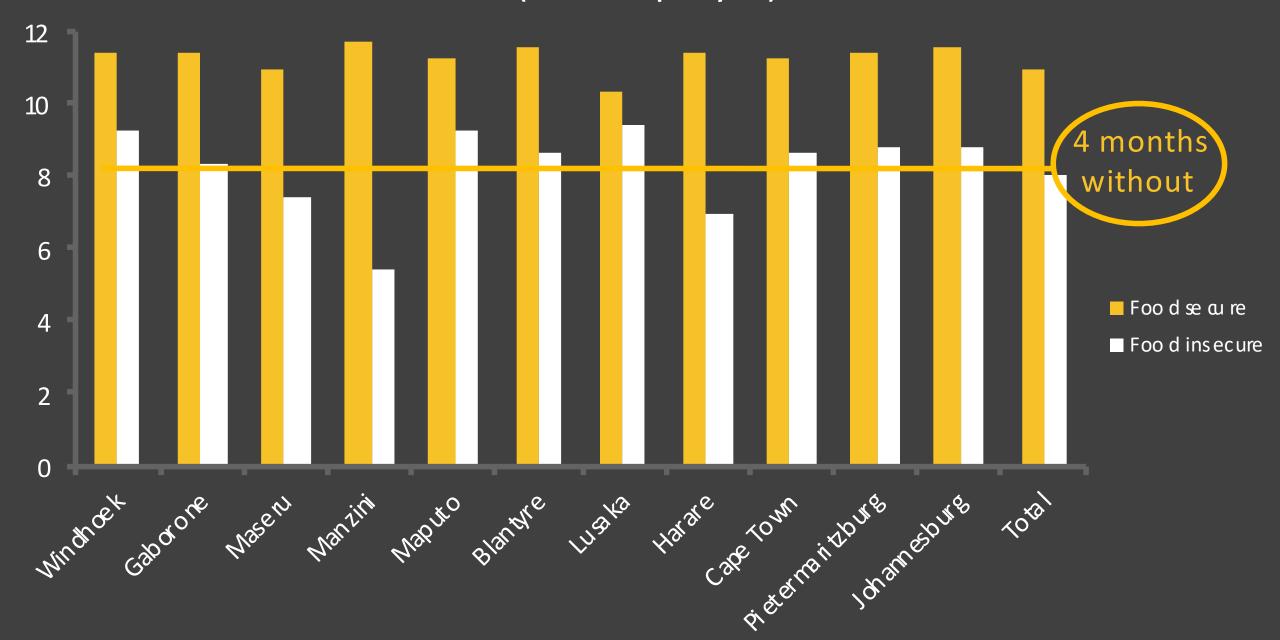
What is the level of household food insecurity amongst the survey population of urban poor for 11 cities?

Household Food Security Status for 11 Cities



Months of Adequate Household Food Provisioning (months in past year)

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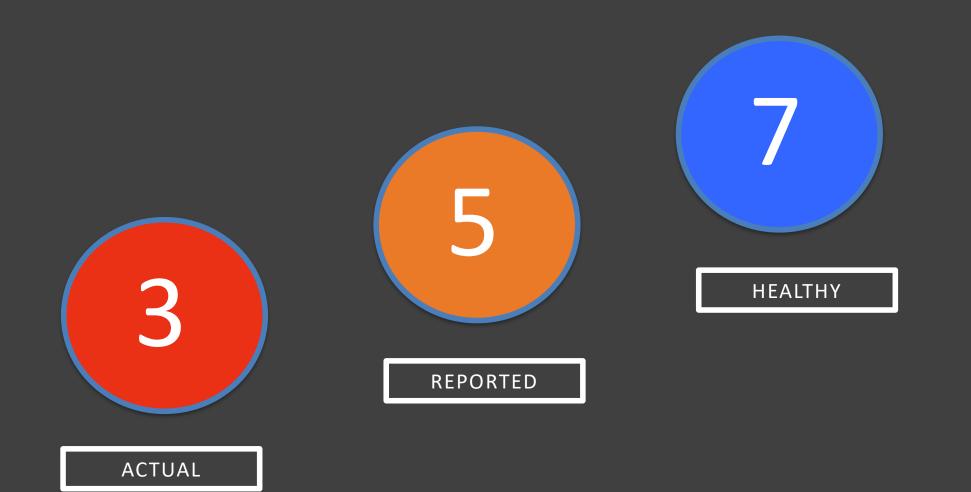








Household Dietary Diversity





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- ~ jobless growth / AI futures
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Industrial Food

- ~ cheap and required to fuel the urban transition
- ~ unsustainable with dire ecological & human consequences
- ~ climate change and fossil fuel nexus
- ~ rural lifestyle unsustainable under current conditions

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HOW DO WE ENSURE FOOD AND NUTRITIONALLY SECURE POPULATIONS IN AFRICA WITH THREE BILLION MORE PEOPLE THAT WILL BE LIVING IN CITIES YET TO BE BUILT?

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Sustainable Development Solutions Network (SDSN)

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Food, Agriculture, Biodiversity, Land Use and Energy (FABLE) Pathways Consortium

Sustainable Food, Land, Water, and Oceans

Pillar 1:

Efficient and resilient agricultural systems and fisheries that support livelihoods

Pillar 2:

restoration and restoration of forests, terrestrial and marine biodiversity

Pillar 3:

Healthy diets, nutrition, and reduced food waste

Domestic and international policy coherence:

Trade and supply chains consistent with sustainable development

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