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Women dietary diversity and child feeding practices amidst COVID-19 in India

Findings from National Family Health Surveys, 2016-2021

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Background

- COVID-19 (C19) pandemic jeopardized food security worldwide
 - Mobility restrictions
 - \circ Shortage of resources
 - Disrupted food supply chains
 - \circ Reduced household food demand
- Poor and inadequate diets -> nutrition deficiency
 - \circ Malnutrition and mortality
 - o Inter-generational negative effects
 - $_{\odot}$ Exacerbate existing social & health inequities
- India ranks 107/121 countries, with serious hunger levels - Global Hunger Index (2022)





Objective

Examine impact of COVID-19 (C19) on diet patterns among women and children in India, in districts surveyed before and during C19, using the National Family Health Survey 2015-16 and 2019-21

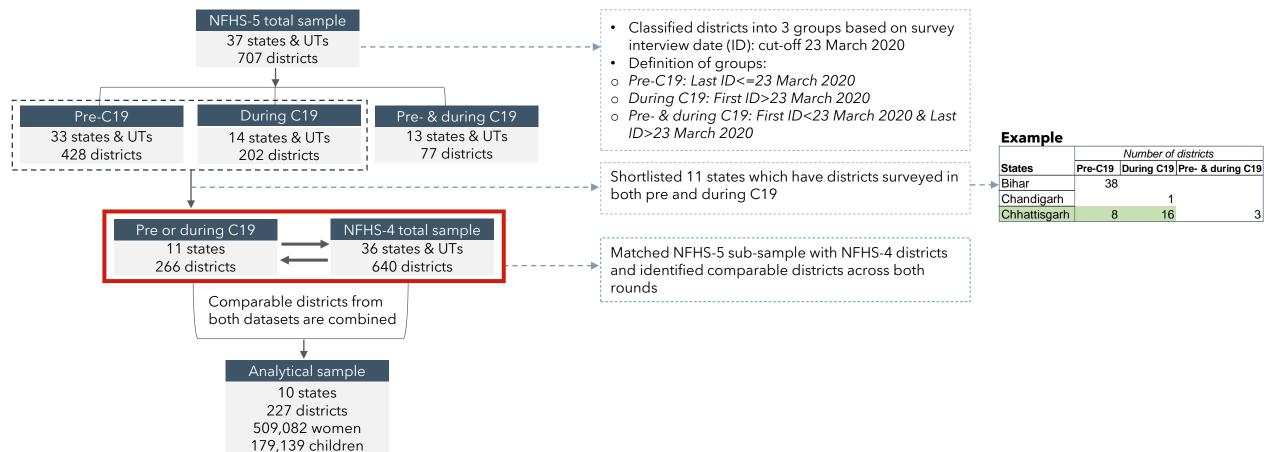
- Daily and at least weekly diets among women
- Diet patterns in past 24 hours among children



Data and methods

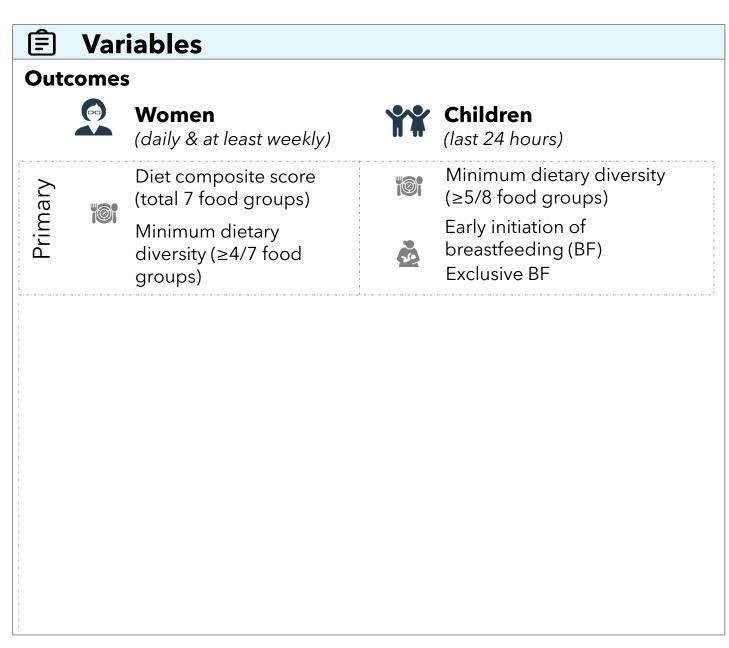
Data: National Family Health Survey round 4 (2015-16) and 5 (2019-21)

Sample



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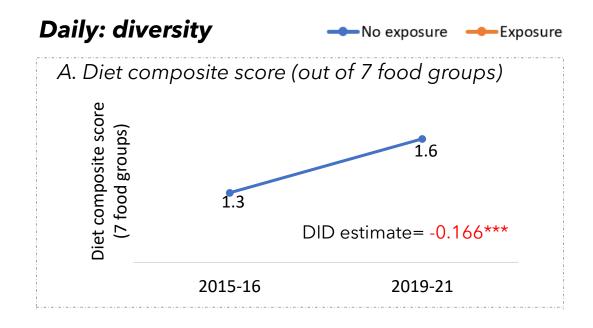
Data and methods



Note: Breastfeeding indicators and child minimum dietary diversity constructed as per WHO guideline



Results - C19 impact on women diet indicators





****** Results - C19 impact on children diet indicators

Last 24 hours: diversity \longrightarrow No exposure \longrightarrow Exposure A. Diet composite score (out of 8 food groups) (s_{0}^{0}) $(s_{1.5}^{0})$ $(s_{1.5$



Policy implications

- Dietary diversity among women and children was already poor in several states of India; diet patterns worsened by COVID-19 (C19)
 Implications for malnutrition and mortality in the country
- Improvement in exclusive breastfeeding in exposure districts continue the good behavioral practices; poor dietary habits among women may have an influence on breastmilk quality.
- Strengthened multisectoral response is needed to improve diet patterns
 - $_{\odot}$ Strengthen food supply chains
 - Strengthen social protection strategies
 - \circ Ensure effective counselling
 - Reduce inequity in food-specific service provision
- Next step: Examine C19 impact on diet patterns across residence, wealth, & education levels