

**Who Needs a Friend?
How Age and Having Someone one
can Count on Explain Subjective
Well-Being in India**



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INTRO

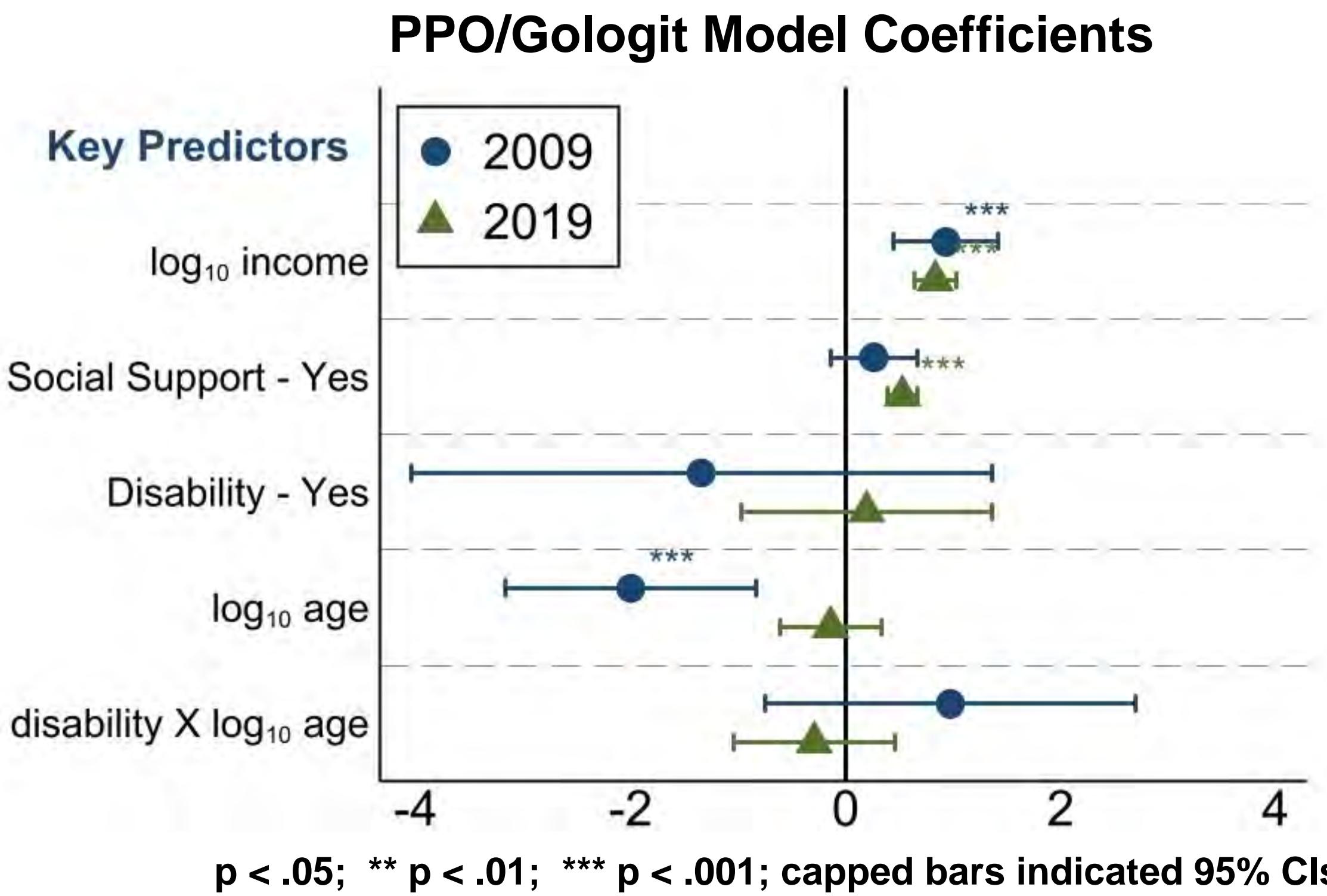
- India's subjective well-being (SWB) declined steadily from 2009-2019. For the sake of the country where nearly 20% of humankind resides, this study investigates what might explain so much suffering.

METHODS

- Research Question:** How have the known, expected predictors of SWB changed 2009 vs. 2019 in India?
- Data:** Annual, cross-sectional, nationally-representative samples of India's adult 15+ population for years 2009-2019 (n=66,530). The data source is the **Gallup World Poll**.
- Primary analysis:** partial proportional odds (PPO) regression model of known SWB predictors, regressing the 3-level, ordinal Life Evaluation Index measure from Gallup for India in 2009 and 2019.

$$P(Y_i > j) = \frac{\exp(\alpha_j + X_i\beta_j)}{1 + \exp(\alpha_j + X_i\beta_j)}$$

RESULTS



DISCUSSION

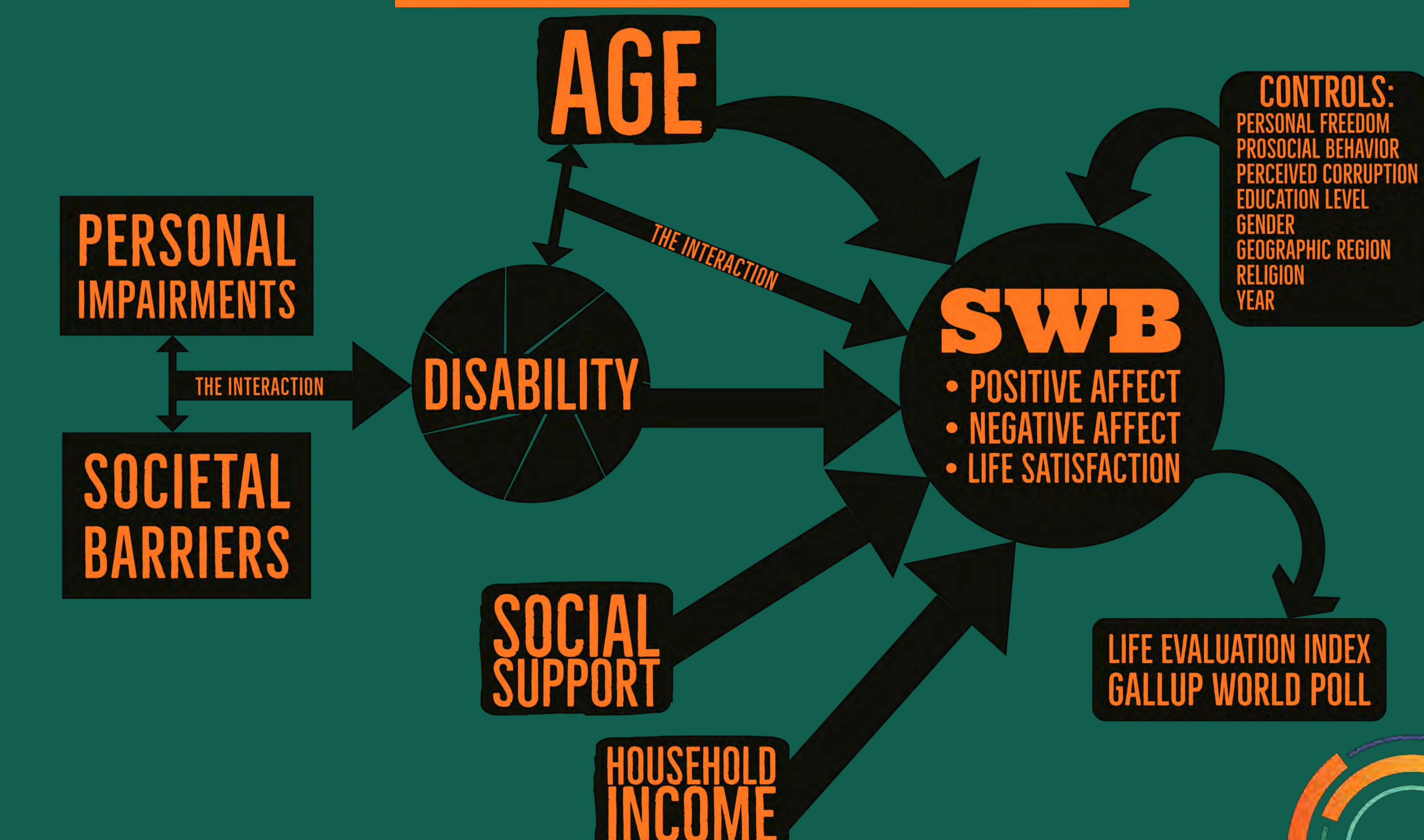
The coefficients for age, disability, and their interaction are not significant in 2019, but that's not central. Given the interactive and nonlinear relationships among predictors in a PPO model, these are better understood through adjusted margins, predicted probabilities, and AMEs with CIs, some highlights of which are shared in this poster. The probability of suffering with disability increased with age in 2019, which was not the case in 2009. And in 2019, social support decreased the probability of suffering more than anything except income. Lots of anguish, coupled with some hope.

FINANCIAL DISCLOSURE

Research reported in this publication has benefited from support provided by the Minnesota Population Center (Award number P2CHD041023), which receives funding from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, and by the University of Minnesota Life Course Center on the Demography and Economics of Aging (P30AG066613), funded through a grant from the National Institute on Aging.

Disability increases probability of suffering, more so with age, in 2019 India. Social support can counteract a lot of that. People literally need one another.

CONCEPTUAL MODEL FOR SWB IN INDIA IN THE PRESENT STUDY

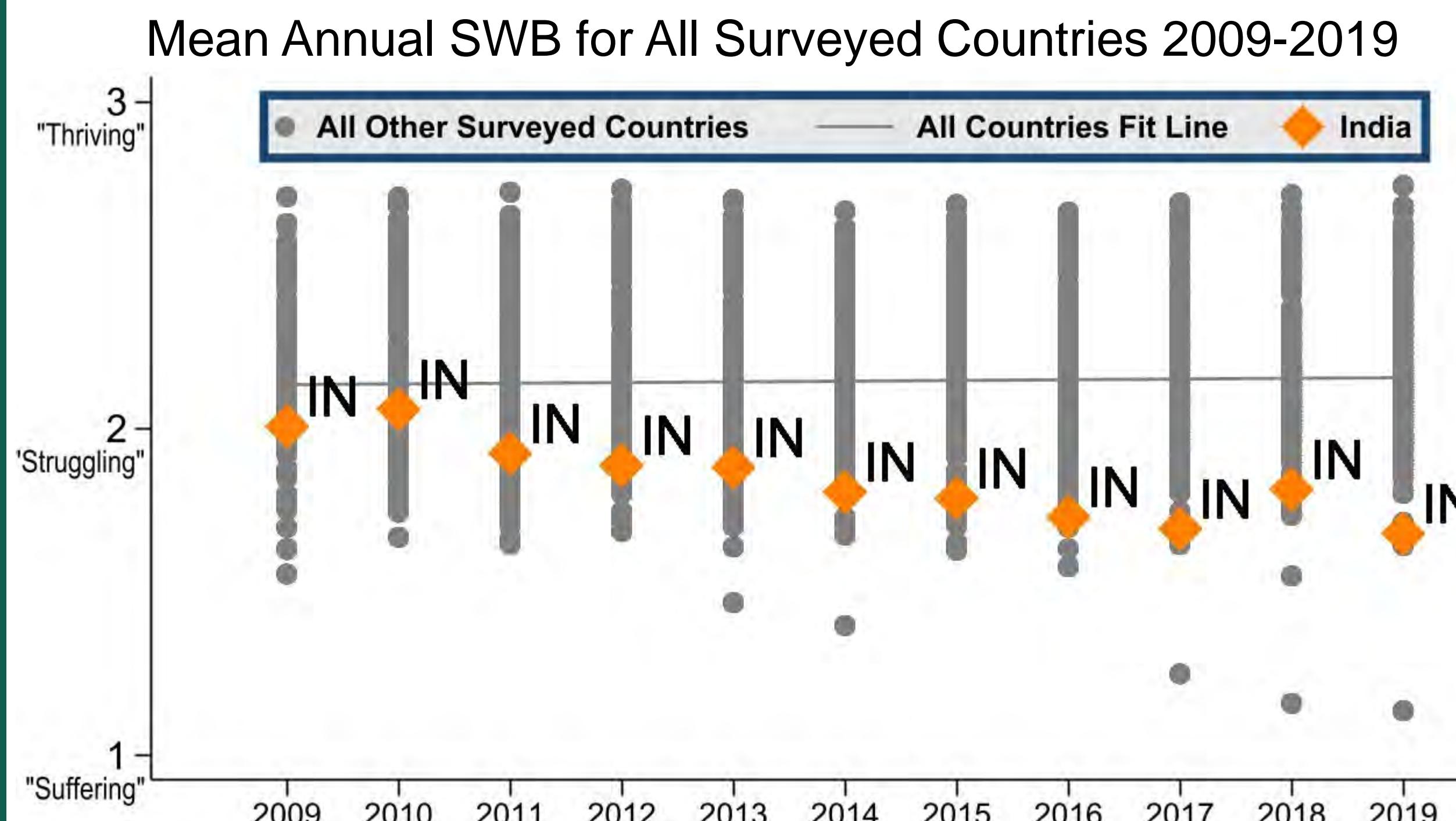


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SCIENTIFIC MEETING**
Disruption to Transformation:
Aging in the "New Normal"

Indian SWB declined for a decade.

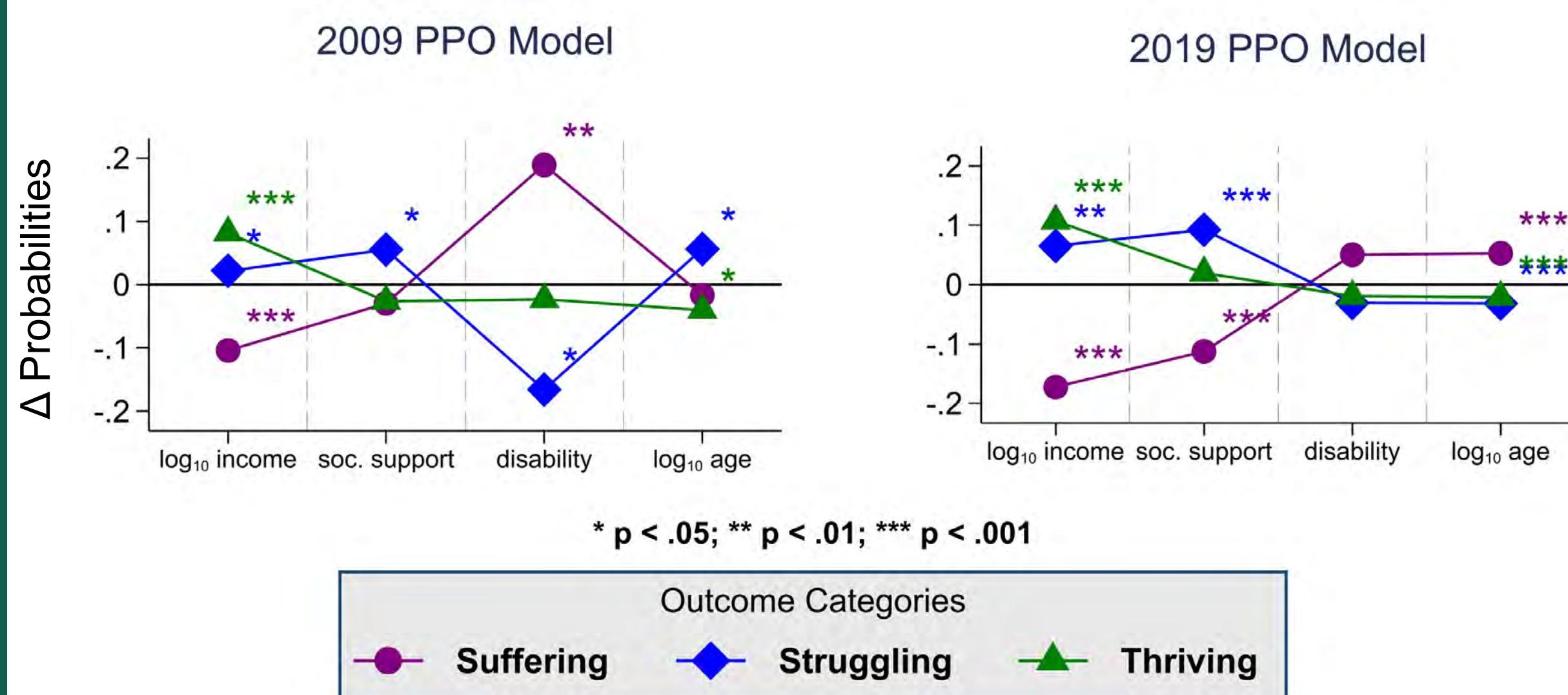


Note. Data source is Gallup World Poll (GWP) nationally-representative samples. The SWB outcome measure is the GWP Life Evaluation Index scores for individual survey respondents (n = 1,826,722) aggregated per country and averaged by year. In 2009, India's SWB was #79 out of 114 surveyed countries. In 2019, India's SWB was #142 out of 145 surveyed countries.

These graphs help explain that.

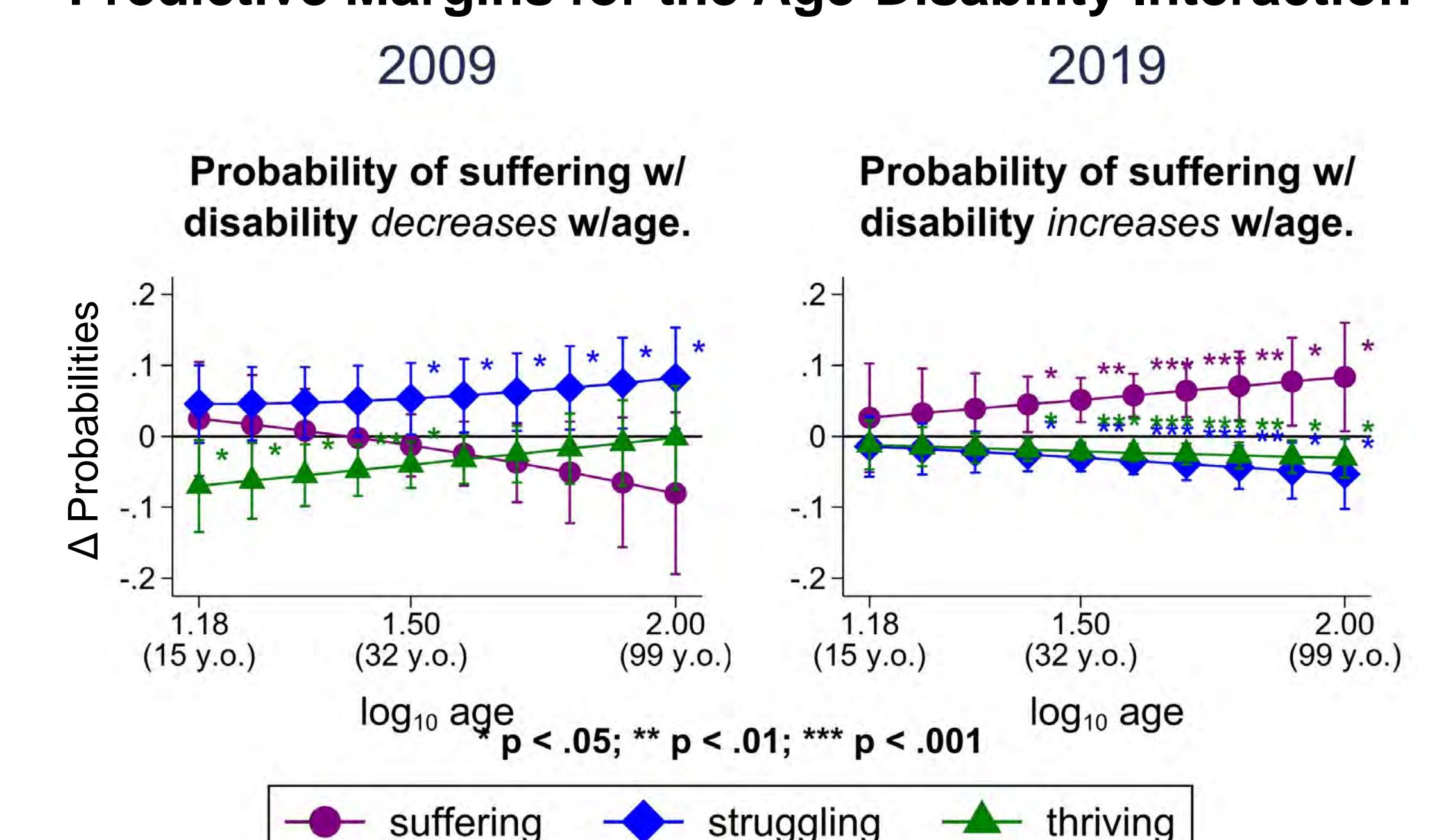
NB that having social support in 2019 decreased probability of suffering by 11 percentage points.

Average Marginal Effects of Key Predictors in India 2009 vs. 2019



The roles of age, disability, and social support in predicting SWB have shifted.

Predictive Margins for the Age-Disability Interaction



Data source for both sets of plots is GWP India year waves 2009 and 2019 (n=9,653).

For more info or to be in touch:

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