

Bogota Measurements – Predictive Validity Bayley-Short Tests

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Social Sector
Social Protection and
Health

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Metadata Sheet

Field	Description
Dataset Title	Bogota Measurements – Predictive Validity Bayley-Short Tests
Description	<p>This dataset contains longitudinal data collected on child development outcomes, child characteristics, and parental and home characteristics on 937 children living in a representative sample of low- and low-middle-income households in Bogota, Colombia. The first round of data was collected in 2011 when 1,311 children ages 6-42 months were given the Bayley Scales of Infant and Toddler Development (Bayley-III) by psychologists and were randomized to receive one of two batteries of short tests under survey conditions. In 2016, at 6-8 years, 940 of these children were found and given tests of IQ (Wechsler Intelligence Scale for Children, WISC-V) and school achievement (arithmetic, reading, and vocabulary) by psychologists.</p> <p>These 937 children, excluding 3 outliers, constitute the analysis sample of the paper “Predictive validity in middle childhood of short tests of early childhood development used in large scale studies compared to the Bayley-III, the Family Care Indicators, height-for-age, and stunting: A longitudinal study in Bogota, Colombia” by Marta Rubio-Codina and Sally Grantham-McGregor, forthcoming at PLOS ONE.</p> <p>The dataset was anonymized to protect subject privacy. Variable names and their labels are noted in the “data description 2011-2016.xlsx” document, attached to this package.</p>
Dataset Type	Longitudinal (panel) data. First round of data collected in 2011; second round of data collected in 2016.
Publisher/Editor	Inter-American Development Bank, Social Protection and Health Division (SCL/SPH)
Creator Contact Email	Marta Rubio-Codina (martarubio@iadb.org)
Creation Date	2010-2020
Time Period Covered	2011-2016
Country (s)	Colombia (Bogota)
Background Documents	<p>Rubio-Codina M. and S. Grantham-McGregor. “Predictive validity in middle childhood of short tests of early childhood development used in large scale studies compared to the Bayley-III, the Family Care Indicators, height-for-age, and stunting: A longitudinal study in Bogota, Colombia”, <i>Plos One</i>, forthcoming.</p> <p>Rubio-Codina M., MC. Araujo, O. Attanasio, P. Muñoz and S. Grantham-McGregor. 2016. “Concurrent Validity and Feasibility of</p>

	<p>Short Tests Currently Used to Measure Early Childhood Development in Large Scale Studies”, <i>Plos One</i>, 11(8): e0160962; https://doi.org/10.1371/journal.pone.0160962.</p>
Variables Names and brief description	<p>The dataset is in wide format and includes child development scores collected in 2011 through the following instruments:</p> <ul style="list-style-type: none"> - Bayley Scales of Infant and Toddler Development (third edition, Bayley-III) - Ages and Stages Questionnaires (third edition, ASQ-3) - Denver Developmental Screening Test (second edition, Denver-II) - Battelle Developmental Inventory screener (second edition, BDI-2) - Vocabulary checklists in the Short-Forms of the MacArthur-Bates Communicative Development Inventories I and II (SFI and SFII) - World Health Organization gross motor milestones (WHO-Motor, WHO 2006) <p>As well as developmental scores collected in 2016 through the following instruments:</p> <ul style="list-style-type: none"> - Wechsler Intelligence Scale for Children (fifth edition, WISC-V), Full Scale Intelligence Quotient (FSIQ) subtests. - Woodcock-Muñoz Test of Achievement (third edition, WM-III): arithmetic and reading comprehension subtests. - Subset of 75 words from the <i>Test de Vocabulario en Imágenes de Peabody</i> (TVIP). <p>The full list of variable names and their labels are noted in the “data description 2011-2016.xlsx” document, attached to this package. Please note that the following prefixes refer to:</p> <ul style="list-style-type: none"> _0: first round of data collection, 2011 _1: second round of data collection, 2016 _mo: mother _fa: father _hh: head of the household _sp: spouse of head of the household
Number of variables	343
Copyright and CC Licenses	<p>The dataset shared allows replication of the results in the paper. Please note that these data can only be used for non-commercial research purposes given the IDB data sharing standards and in order to comply with the commitment acquired by the researchers with study participants by means of the informed consent.</p> <p>The results offered in this dataset are those compiled by the authors and do not necessarily reflect the views of the Inter-American Development Bank, its Board of Directors, or the countries they represent.</p>

Additional Notes	The full list of variable names and their labels are noted in the “data description 2011-2016.xlsx” document, attached to this package. The household questionnaires for both rounds are also attached to this package. The content of the child development tests (i.e. the child development questionnaires) cannot be shared as is copyrighted.
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(Metadata Sheet Template, 2020)