

Jamaica - The Gains at Age 30 Years From the Supplementation and Stimulation Study 2017-2018

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Identification

SURVEY ID NUMBER

JAM_2017-2018_GATYFSSS_v01_M

TITLE

The Gains at Age 30 Years From the Supplementation and Stimulation Study 2017-2018

SUBTITLE

Impact Evaluation Survey

COUNTRY/ECONOMY

Name	Country code
Jamaica	JAM

STUDY TYPE

Socio-Economic/Monitoring Survey [hh/sems]

SERIES INFORMATION

The 127 participants who completed an early childhood home visiting program, the Jamaica Early Childhood Stimulation intervention implemented in 1987-1989, were surveyed at baseline and at the end of the second year of the intervention. Subsequent surveys occurred at ages 7, 11, 17, 22, and 31. This is the most recent survey of the sample taken when participants were approximately 31 years old.

ABSTRACT

This study reports the labor market effects of the Jamaica Early Childhood Stimulation intervention at age 31. The study is a small-sample randomized early childhood education stimulation intervention targeting stunted children living in the poor neighborhoods of Kingston, Jamaica. Implemented in 1987-89, treatment consisted of a two-year, home-based intervention designed to improve nutrition and the quality of mother-child interactions to foster cognitive, language, and psycho-social skills. The original sample was 127 stunted children between ages 9 and 24 months. The 2017-2018 study was able to track and interview 75 percent of the original sample 30 years after the intervention, both still living in Jamaica and migrated abroad. The findings reveal large and statistically significant effects on income and schooling; the treatment group had 43 percent higher hourly wages and 37 percent higher earnings than the control group. This is a substantial increase over the treatment effect estimated for age 22, when a 25 percent increase in earnings was observed.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Individuals

Version

VERSION DESCRIPTION

v01: Edited, anonymous datasets for public distribution

Scope

NOTES

This survey includes a series of questions about how respondents feel about themselves as well as an in-depth interview to find out about any further education or training, employment in the past three years, home, and behaviour (that is, their relationships with others, any involvement or experience with violence and any use of alcohol and drugs). If they have a child, they are also asked some questions about their involvement with their child and their confidence as a parent.

KEYWORDS

Keyword

Early Childhood Development, Labor Market Outcomes

Coverage

GEOGRAPHIC COVERAGE

The poor neighborhoods of Kingston, Jamaica

GEOGRAPHIC UNIT

Neighborhood

UNIVERSE

Stunted children living in the poor neighborhoods of Kingston at baseline

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Susan Walker	The University of The West Indies

PRODUCERS

Name	Affiliation
Strategic Impact Evaluation Fund	The World Bank Group

FUNDING AGENCY/SPONSOR

Name	Abbreviation
Strategic Impact Evaluation Fund	SIEF

Sampling

SAMPLING PROCEDURE

The Jamaica Early Childhood Stimulation Intervention Study enrolled 129 stunted children ages 9-24 months identified by a survey of disadvantaged neighborhoods of Kingston, Jamaica. The study used stunting, a condition that can be accurately and easily observed, to identify socially and biologically disadvantaged children. The original sample was stratified by age (above and below 16 months) and gender. Within each stratum, children were randomly assigned to one of four groups: (1) psychosocial stimulation (N=32); (2) nutritional supplementation (N=32); (3) both psychosocial stimulation and nutritional supplementation (N=32); (4) a control group that received neither (N=33). All children were given access to free health care regardless of the group to which they were assigned.

The 127 participants who completed the program were surveyed at baseline and at the end of the second year of the intervention. Subsequent surveys occurred at ages 7, 11, 17, 22, and 31. The most recent survey of the Jamaica Early Childhood Stimulation Intervention sample was taken when participants were approximately 31 years old. There was an attempt to find all of the 127 initial study participants regardless of location. Researchers contacted relatives to gather information on participants who were not found in Jamaica. The survey follows migrants living in the US, Canada, and UK.

DEVIATIONS FROM THE SAMPLE DESIGN

Two of the initial 129 children originally assigned to the stimulation arm of the intervention did not complete the intervention. They were dropped from the study before the first follow-up due to failure to complete the intervention so that the actual sample consisted of 127 children.

RESPONSE RATE

95 of the original 127 participants (75%) were found at age 31. Of the 32 original participants lost to follow-up, 11 died, 6 refused to be interviewed, 12 could not be found, and 3 were incarcerated or in hospital.

Data Collection

DATES OF DATA COLLECTION

Start	End
2017-04-07	2018-02-12

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

Data rounds for this study were conducted by the University of the West Indies in Kingston, Jamaica, in some cases with additional collaborators.

Questionnaires

QUESTIONNAIRES

The survey consists of 15 modules covering the following topics:

- Family, Home and Education Modules
- Siblings Module
- 8 Item Grit Scale Module
- Intermediary Markers Module
- WHOQOL-BREF Module
- Rosenberg Self-Esteem Scale Module
- WHO ASSIST version 2.1 Module
- Labor Module
- Social Support, Violence and Community Involvement Modules
- Social Behaviour Module
- CES - Depression Scale Module
- State Trait Module
- Perry Midlife Grit and Self Control Module
- Parent Involvement and Investment in their Child Module
- Brief Parental Self Efficacy Scale Module

The questionnaires are provided in English and are available for download.

Access policy

CONTACTS

Name	Affiliation	Email
Strategic Impact Evaluation Fund	The World Bank Group	siefimpact@worldbank.org

ACCESS CONDITIONS

Public Access

The data rounds from ages 7, 11, 17, and 22 are currently not being shared. In order to access these data rounds, users would need to make a justified request to the Caribbean Institute for Health Research (CAIHR) team at the University of the West Indies in Kingston, Jamaica. Requests can be sent to caihr@uwimona.edu.jm for Susan Chang-Lopez or Susan Walker.

For further questions about data access, contact the Strategic Impact Evaluation Fund (SIEF) team at siefimpact@worldbank.org.

CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the identification of the Primary Investigator

- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Susan Walker (The University of the West Indies). Jamaica - The Gains at Age 30 Years From the Supplementation and Stimulation Study 2017-2018, Impact Evaluation Survey. Ref: JAM_2017-2018_GATYFSSS_v01_M. Dataset downloaded from [URL] on [date].

ACCESS AUTHORITY

Name	Affiliation	Email	URL
Strategic Impact Evaluation Fund	The World Bank Group	siefimpact@worldbank.org	Link

LOCATION OF DATA COLLECTION

World Bank Microdata Library

Disclaimer and copyrights

DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Metadata production

DDI DOCUMENT ID

DDI_JAM_2017-2018_GATYFSSS_v01_M_WB

PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Economics Data Group	DECDG	The World Bank Group	Documentation of the study

DATE OF METADATA PRODUCTION

2023-04-20

DDI DOCUMENT VERSION

Version 01 (April 2023)

Data Dictionary

Data file	Cases	Variables
jam30_biometric_measurements.dta This dataset contains biometric measurement data.	159	146
jam30_dkef_wasi.dta This dataset contains data on raw and scaled scores, including the Wechsler Abbreviated Scale of Intelligence (WASI).	159	88
jam30_surveycto_complete_data_set.dta This dataset contains the complete microdata covering all questionnaire modules.	159	1344