

**Researchers:**

- Florencia Devoto
- Esther Duflo
- Pascaline Dupas
- William Pariente
- Vincent Pons

**Sector(s):** Health

**Fieldwork:** Innovations for Poverty Action (IPA)

**Location:** Tangier, Morocco

**Sample:** 1,000 home owners in urban areas

**Target group:** Urban population Families and households

**Outcome of interest:** Citizen satisfaction Diarrhea Water quality

**Intervention type:** Housing and neighborhoods Water, sanitation, and hygiene

**AEA RCT registration number:** AEARCTR-0001649

: Download dataset from Open ICPSR

**Partner organization(s):** Amendis, Veolia Water

This dataset contains information on the characteristics of the households and the interventions implemented in the study. The data is organized into several variables, including household characteristics, intervention details, and outcomes. The variables are listed in the following table:

Variable Name	Description
household_id	Unique identifier for each household
intervention_group	Group assigned to the intervention (e.g., control, treatment)
water_quality	Measure of water quality in the household
sanitation	Measure of sanitation facilities in the household
citizen_satisfaction	Measure of citizen satisfaction with the services
diarrhea	Measure of diarrhea incidence in the household
household_size	Number of people living in the household
household_income	Annual household income
household_type	Type of household (e.g., urban, rural)
household_address	Address of the household
household_phone	Phone number of the household
household_email	Email address of the household
household_education	Education level of the household head
household_employment	Employment status of the household head
household_assets	Assets owned by the household (e.g., land, livestock)
household_health	Health status of the household members
household_water_access	Access to improved water supply
household_sanitation_access	Access to improved sanitation facilities
household_housing_quality	Quality of the housing structure
household_neighborhood	Neighborhood characteristics
household_community	Community characteristics
household_governance	Governance characteristics
household_participation	Participation in community activities
household_awareness	Awareness of the intervention
household_knowledge	Knowledge about water, sanitation, and hygiene
household_attitudes	Attitudes towards the intervention
household_behaviors	Behaviors related to water, sanitation, and hygiene
household_outcomes	Outcomes of the intervention

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Women wash laundry outdoors.

Photo credit: Aude Guerrucci | J-PAL/IPA

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Devoto, Florencia, Esther Duflo, Pascaline Dupas, William Parientì©, and Vincent Pons. 2012. "Happiness on Tap: Piped Water Adoption in Urban Morocco." *American Economic Journal: Economic Policy* 4(4): 68-99.