

Staff

Increasing Childhood Immunization in Low- and Middle-Income Countries

Shana Warren

Research Scientist for Path-to-Scale Research



Childhood immunization¹ is one of the most successful and cost-effective public health interventions to date, preventing an estimated 2 to 3 million deaths every year² and severe morbidity for millions more children from devastating diseases such as polio and the hepatitis B virus.³ Although there have been substantial gains in childhood immunization globally, coverage still lags in many countries, leaving millions vulnerable to disease.⁴ A particular challenge is on the demand side—low acceptance and uptake despite availability of vaccine supplies and services. Demand-side interventions target the barriers to acceptance and uptake, such as lack of awareness about the schedule and benefits, low prioritization of immunization, financial obstacles, or distrust in immunization. These interventions will only move the needle in the context of a functioning vaccine supply chain and effective health services. In this brief, Innovations for Poverty Actions Path-to-Scale Research team has compiled the evidence for demand-side interventions to increase child immunization in low and middle-income countries (LMICs).

Based on the research, the following are key lessons to consider:

| | |
|--|---|
|  <p>Mobile phone reminders may improve timely immunization in contexts with functioning and reliable health records and communication systems.</p> |  <p>Financial incentives have mixed impacts on child immunization. In-kind incentives may improve coverage and timeliness of immunization.</p> |
|  <p>Immunization education may improve coverage of some vaccines.</p> |  <p>Social incentives that allow caregivers to signal their child's vaccination status may improve uptake.</p> |
|  <p>Socially-embedded education interventions may be particularly effective in contexts where misconceptions and distrust of vaccination are key drivers of low coverage.</p> | |

Increasing Childhood Immunization in Low- and Middle-Income Countries

Childhood immunization is one of the most successful and cost-effective public health interventions to date, preventing an estimated 2 to 3 million deaths every year and severe morbidity for millions more children from devastating diseases such as polio and the hepatitis B virus. Although there have been substantial gains in childhood immunization globally, coverage still lags in many countries, leaving millions vulnerable to disease. A particular challenge is on the demand side—low acceptance and uptake despite availability of vaccine supplies and services. Demand-side interventions target the barriers to acceptance and uptake, such as lack of awareness about the schedule and benefits, low prioritization of immunization, financial obstacles, or distrust in immunization. These interventions will only move the needle in the context of a functioning vaccine supply chain and effective health

services. In this brief, Innovations for Poverty Action's Path-to-Scale Research team has compiled the evidence for demand-side interventions to increase child immunization in low and middle-income countries (LMICs).

June 24, 2021