Study Finds COVID-19 Vaccine Acceptance Is Higher in Low- and Middle-Income Countries Than in Richer Countries

Study examines vaccine acceptance and hesitancy in 10 low- and middle-income countries in Asia, Africa, and South America.

New research published in *Nature Medicine* reveals willingness to get a COVID-19 vaccine was considerably higher in developing countries (80% of respondents) than in the United States (65%) and Russia (30%).

The study provides one of the first insights into vaccine acceptance and hesitancy in a broad selection of low- and middle-income countries (LMIC), covering over 20,000 survey respondents and bringing together researchers from over 30 institutions including the International Growth Centre (IGC), Innovations for Poverty Action (IPA), WZB Berlin Social Science Center, the Yale Institute for Global Health, the Yale Research Initiative on Innovation and Scale (Y-RISE), and HSE University (Moscow, Russia).

Personal protection against COVID-19 was the main reason given for vaccine acceptance among LMIC respondents (91%), and concern about side effects (44%) was the most common reason for vaccine hesitancy. Health workers are considered the most trusted sources of information about COVID-19 vaccines.

The study comes at a critical juncture when vaccine shipments are still slow to arrive to the majority of the world’s population, and COVID-19 cases are surging in many parts of Africa, Asia, and Latin America. The findings suggest that prioritising vaccine distribution to low- and middle-income countries should yield high returns in expanding global immunisation coverage.

“As COVID-19 vaccine supplies trickle into developing countries, the next few months will be key for governments and international organisations to focus on designing and implementing effective vaccine uptake programmes,” said Niccoló Meriggi, Country Economist for IGC Sierra Leone and study co-author. “Governments can use this evidence to develop communications campaigns and systems to ensure that those who intend to get a vaccine actually follow through.”

The researchers, who conducted the surveys between June 2020 and January 2021, point out...
that vaccine acceptance may vary with time and the information that people have available
to them. While the evidence on the safety and efficacy of available COVID-19 vaccines has
become more clear in the last six months, severe, but rare, side effects may have
undermined public confidence.

Saad Omer, Director of the Yale Institute of Global Health and study co-author, said: “What
we’ve seen in Europe, the US, and other countries suggests that vaccine hesitancy can
complicate policy decisions, thereby hindering rapid and widespread vaccine uptake.
Governments in developing countries can start engaging trusted people like health workers
now to deliver vaccine messaging about side effects that is accurate, balanced, and easily
available to the public.”

“Across countries, we observe that acceptance of COVID-19 vaccines is generally somewhat
lower than for other vaccines, perhaps because of their novelty. However, the consistently
pro-vaccine attitudes we see in low- and middle-income countries give us reason to be
optimistic about uptake,” said Alexandra Scacco, Senior Research Fellow at the WZB and
study co-author. “We hope that evidence from our study can help inform strategies to expand
global COVID-19 vaccination.”

Funding for this study was provided by: Beyond Conflict, Bill and Melinda Gates
Foundation, Columbia University, Givewell.org, Ghent University, HSE University Basic
Research Program, International Growth Centre, Jameel Poverty Action Lab Crime and
Violence Initiative, London School of Economics and Political Science, Mulago Foundation,
NOVAfrica at the Nova School of Business and Economics, NYU Abu Dhabi, Energy for
Economic Growth (EEG) led by Oxford Policy Management, funded by UK Aid, Social Science
Research Council, Trinity College Dublin COVID-19 Response Funding, FCDO, UKRI
GCRF/Newton Fund, United Nations Office for Project Services, Weiss Family Fund, WZB Berlin
Social Science Center, Yale Institute for Global Health, Yale Macmillan Center, and
anonymous donors to IPA and Y-RISE.

Researchers on this study represent the following institutions: WZB Berlin Social
Science Center, Innovations for Poverty Action (IPA), International Growth Centre (IGC),
Wageningen University & Research, International Center for the Study of Institutions and
Development (HSE University, Moscow, Russia), Yale Institute for Global Health, Nova School
of Business and Economics, Lahore University of Management Sciences, The Institute for
Fiscal Studies, University of St. Andrews & The Institute for Fiscal Studies, Stockholm School
of Economics and Misum, Economics Department of Ghent University, Institute of
Development and Economic Alternatives, Trinity College Dublin, Cornell University, University
of Illinois Chicago, NYU Abu Dhabi, Yale Research Initiative on Innovation and Scale (Y-RISE),
Princeton University, Institute for International Economic Studies (IIES) at Stockholm
University, Tufts University, Kellogg School of Management at Northwestern University,
London School of Economics and Political Science, Columbia University, Yale University,
Centre for Economic Research in Pakistan (CERP), Institute of Development and Economic
Alternatives (IDEAS) - Pakistan, University of Michigan, Busara Center for Behavioral
Economics (Nigeria and Kenya), Centre for the Study of Labour and Mobility (CESLAM) - Nepal, and Morsel Research & Development (India).

July 19, 2021