

## Global Digital Health Resources and Maturity Models: A Summary

### Overview

This matrix describes four digital health resources and maturity models that MEASURE Evaluation—funded by the United States Agency for International Development (USAID)—considers essential tools in the global effort to strengthen health data systems.

Resource	Purpose	Method for use	Uses of the results	HIS level	Notes
<p><a href="#">Digital Health Investment Review Tool</a></p> <p>(<a href="https://docs.google.com/spreadsheets/d/1T1qQDSQnFeFcrVxwL1EbLZyXDfh3xVO_9HagPikTANG/edit#gid=529417289">https://docs.google.com/spreadsheets/d/1T1qQDSQnFeFcrVxwL1EbLZyXDfh3xVO_9HagPikTANG/edit#gid=529417289</a>)</p> <p>Developed by USAID and Maternal Child Survival Program (MCSP), with the Health Data Collaborative (HDC)</p>	<p>Provides guidance for strategic investments in digital technologies to support public health, based on best practice, such as the <a href="#">Principles for Digital Development</a>.</p> <p>Primary audience is funders; secondary is implementers looking for guidance on how to integrate best practices. May include national or subnational government bodies, donors, and implementers.</p>	<p>Uses quantitative scoring based on a review of a proposal or workplan. Could also support a process to arrive at a best and final offer or final presentation.</p>	<p>The tool helps:</p> <ul style="list-style-type: none"> <li>• Structure requests for proposals or procurements</li> <li>• Inform the language of grants and contracts</li> <li>• Support procurement officers' decisions on digital health proposals or proposals with a digital health component</li> </ul>	<p>National or subnational, depending on the level of the system or project being evaluated</p>	
<p><a href="#">Global Digital Health Index (GDHI) and Maturity Model</a></p> <p>(<a href="https://www.digitalhealthindex.org/">https://www.digitalhealthindex.org/</a>)</p> <p>Developed as a multistakeholder initiative led by the Global Development Incubator and HealthEnabled</p>	<p>An interactive digital resource to assess, monitor, and improve the environment for effective use of digital health technology, to strengthen health systems and improve health outcomes</p> <p>Provides a maturity model with five levels to set a baseline, generate a scorecard and a benchmark against global averages, and learn from other countries to inform and target investments in digital health at the country, regional, and global levels</p>	<p>Data collection through a web-based survey, in collaboration with the ministry of health or country digital health agency. Results are validated through document review and expert consultation, and then shared, once approved by the health ministry or other authorized government agency.</p>	<p>Three objectives:</p> <ul style="list-style-type: none"> <li>• Empower health ministries, funders, policymakers, and industry to make informed, strategic decisions on resource allocation</li> <li>• Evaluate countries against standard digital health criteria and provide a roadmap for maturing</li> <li>• Motivate and track progress in national digital health systems and targeted national and global investments</li> </ul>	<p>Maturity of systems at national and global levels</p>	<p>This tool is modeled after the World Health Organization (WHO)-International Telecommunication Union (ITU) National eHealth Strategy Toolkit and was developed over two years through consultation, engagement, and testing by representatives from country health ministries, international agencies, donors, and the private sector.</p>

Resource	Purpose	Method for use	Uses of the results	HIS level	Notes
<p>Health Information System Stages of Continuous Improvement Toolkit</p> <p><a href="https://www.measureevaluation.org/resources/publications/tl-17-04a">https://www.measureevaluation.org/resources/publications/tl-17-04a</a></p> <p>Developed by United States Centers for Disease Control and Prevention (CDC) and MEASURE Evaluation, in partnership with HDC</p>	<p>Answers these questions:</p> <ol style="list-style-type: none"> <li>1. What are the stages of HIS development?</li> <li>2. How can we assess and continuously improve the maturity of our HIS, to achieve better health?</li> </ol> <p>Offers five precoded responses to measure improvement in five HIS domains and 39 associated subcomponents, a data collection tool, and a user guide</p>	<p>Quantitative data collection and group consultations to agree on HIS stages and future directions, and plan improvements. Data from a desk review; interviews; and a workshop with policymakers, program managers, and public health leaders.</p> <p>One-day workshop with stakeholders to review findings and develop a roadmap from components and subcomponents of HIS, health system levels, and relevant nonhealth stakeholders (e.g., information technology [IT], finance, and human resources [HR])</p>	<ul style="list-style-type: none"> <li>• Describe the status of HIS components</li> <li>• Identify HIS improvement goals and milestones</li> <li>• Develop a plan, timeline, and needed resources</li> <li>• Analyze investments to improve data quality and use for HIS strategic planning, service delivery, and management</li> </ul>	National, potentially subnational, and facilities, depending on the purpose of the HIS being assessed	<p>This tool is informed by the WHO- ITU <a href="#">National eHealth Strategy Toolkit</a>, WHO's <a href="#">Health Metrics Network Framework</a>, and MEASURE Evaluation's <a href="#">HIS Strengthening Model</a>. The tool seeks to enhance country capacity to review HIS progress and performance and enable data use for policy, as envisioned by the SCORE package.</p>
<p><a href="#">HIS Interoperability Maturity Toolkit</a></p> <p><a href="https://www.measureevaluation.org/resources/tools/health-information-systems-interoperability-toolkit">https://www.measureevaluation.org/resources/tools/health-information-systems-interoperability-toolkit</a></p> <p>Developed by MEASURE Evaluation with HDC</p>	<p>Comprises a maturity model, HIS interoperability assessment tool, and a user guide. This toolkit identifies major components of interoperability for HIS and lays out a path to meet goals in leadership and governance, human resources, and information technology to support digital health.</p>	<p>A two- to three-day workshop for stakeholders in the domains of digital health and interoperability to assess HIS interoperability capabilities, review the assessment results, and reach a consensus on the system's maturity level</p>	<p>Develop a roadmap to strengthen interoperability of health information systems, identify resources to support the process, and set timelines to achieve a strong, interoperable HIS that produces high-quality data and promotes their use</p>	National and subnational	<p>The tool can be adapted to suit country needs. Several countries have used the assessment tool to develop their own digital health and interoperability roadmaps.</p>

This publication was produced with the support of the United States Agency for International Development (USAID) under the terms of MEASURE Evaluation cooperative agreement AID-OAA-L-14-00004. MEASURE Evaluation is implemented by the Carolina Population Center, University of North Carolina at Chapel Hill in partnership with ICF International; John Snow, Inc.; Management Sciences for Health; Palladium; and Tulane University. Views expressed are not necessarily those of USAID or the United States government. FS-18-305

