

Center for Global Health Science and Security

Open-Access, Web-Based International Health Regulation (IHR)

Costing Tool

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INTRODUCTION

In 2016, the World Health Organization (WHO) adopted the voluntary Joint External Evaluation (JEE) process to help countries strengthen their capacities to prevent, detect, and respond rapidly to public health events under the International Health Regulations (2005) (IHR). The JEE Tool, a data collection instrument, is used as part of this collaborative process to assess IHR- and Global Health Security Agenda (GHSA)-relevant capacities, and to identify and prioritize capacity-building needs. Targeting resources effectively to build and sustain capacities requires stakeholders to develop plans that are actionable and contain sufficient costing information to support rational and sustainable implementation efforts. Since the IHR entered into force in 2007, national stakeholders and their international partners have struggled to define the costs of strengthening and maintaining health security systems that cross levels and agencies and rely on multisectoral coordination for action. Based on a methodology developed by our research team in case study countries spanning multiple WHO regions, we have developed a publicly available, web-based costing tool to support countries in developing costed action plans to achieve capacities prioritized under the JEE process. The IHR costing tool integrates user-supplied, country-specific data into a template derived from field practices and best guidance for achieving specific capabilities that contribute to IHR core capacities. This costing tool, in combination with the JEE and financing tools already available, represent a significant step in helping national and international decision makers develop practical plans to improve global health security.

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METHODOLOGY

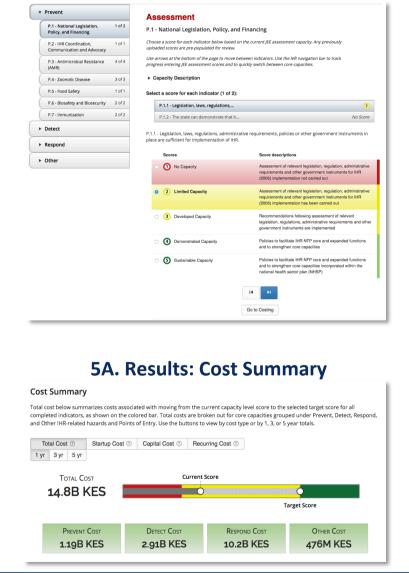
This work builds on costing templates, previously developed by our research team, based on a review of IHR implementation in 14 case study countries and further refined through country feedback collected while supporting WHO in developing and pilot-testing an earlier conceptual framework for IHR costing in 6 countries. Since the JEE contains more indicators than the previous IHR Core Capacity Monitoring Framework, we reviewed published guidance from WHO, OIE, and other international authorities to address the new indicators. In addition, published JEE evaluations were reviewed to identify the specific capabilities required to achieve a given score for each indicator, and the activities necessary to build each capability.

We developed an interactive, web-based user interface to guide users through the process of estimating costs for a user-specified step increase in JEE capacity score. A back-end database of cost calculations covers costing for each capability and activity identified in the above analysis. Calculations include multipliers for each administrative level, where applicable, because IHR requires capacities to detect, assess, and report unusual events from the local, intermediate, and national levels. To support summary analysis and planning efforts, each cost is tagged with a specific JEE indicator, functional category, and whether it represents a start-up, capital, or recurring cost. Indicators for which costing tools have already been determined elsewhere are linked and aligned where possible to help prevent duplication or confusion.

RESULTS

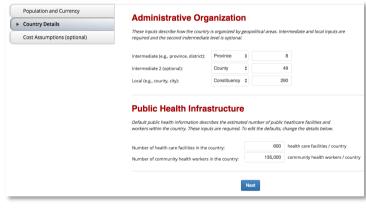
Home Choose Country Assessment Costing Results Background Contact Us Welcome to the IHR Costing Tool The IHR Costing Tool helps users generate and review cost estimates to support practical planning for sustainable capacity development to prevent, detect, and respond to public health threats, as defined by the international Health Regulations (IHR). This tool provides a framework to calculate costs for implementing and enhancing IHR core capacities. Costs are estimated by applying country-specific user input data to cost calculations developed using best practices for achieving the technical standards specified in the joint External Evaluation Tool (IEE). Note: This tool is designed to be used in Google Chrome or Mozilla Firefox. Start

3B. Assessment: Enter and Review JEE Scores





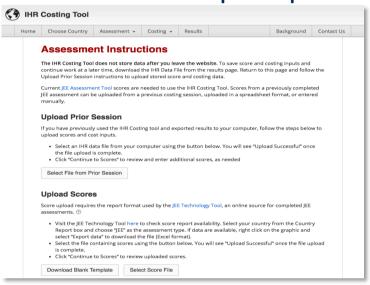
4A. Costing: Country-Specific Inputs



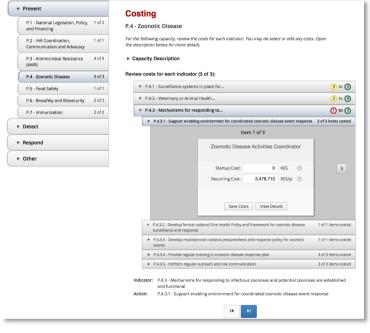
5B. Results: Interactive Graph(s)



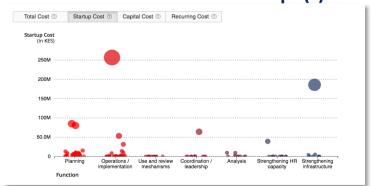
3A. Assessment: File Upload Options



4B. Costing: Enter Costs



5B. Results: Interactive Graph(s)



CONCLUSIONS

- Country experiences were used to develop an open access, web-based tool to estimate country-level costs for strengthening IHR compliance
- No sensitive user data stored by the tool
- Multiple options for use include storing data between sessions and working offline in a spreadsheet template
- Cost calculations align to the JEE and use country-specific data
- Includes JEE score upload from JEE Technology Tool (developed by the PSRT and powered by Qlik Technologies)
- Interactive visualizations to explore costs by category, function, core capacity, and over 1, 3, and 5 years
- Export detailed costing results to Microsoft Excel
- Identifies the costs associated with practical steps to improve global health security

OTHER INFORMATION

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