

Technical Expert (Data Science/Biostatistics) to National Health Policy Development Agency (BKPK) Ministry of Health Indonesia

Background - Strengthening Health Policy & Systems Research (HPSR) Ecosystems in Asia

Results for Development (R4D) is supporting the Gates Foundation (Gates) to achieve its strategic health goals in the Asia region by **Strengthening Health Policy & Systems Research (HPSR) Ecosystems**. Building on the work of the prior USAID-funded, and Gates-supported, Health Systems Strengthening Accelerator (Accelerator), the partnership will:

- Strengthen HPSR Ecosystems: Collaborate with local government actors and HPSR Institutions (HPSRIs) in three countries (Bangladesh, Indonesia, and Pakistan) to enhance capacity, refine collaboration pathways, and increase the uptake of evidence in health policy.
- Deepen Regional Collaboration: Facilitate stronger partnerships between HPSRIs, government actors, regional platforms, and development partners, promoting shared learning and aligned efforts.
- Generate Global Knowledge: Document and share successful models for policy-research collaboration through publications, case studies, and global dissemination efforts.

In Indonesia, demand from the Ministry of Health (MOH) and its National Health Policy Development Agency (*Badan Kebijakan Pembangunan Kesehatan/BKPK*) remains high to strengthen systems that generate and use evidence for improved health systems and outcomes. This includes strengthening the quality assurance mechanism for monitoring policy implementation. BKPK is adopting a three-pronged approach to improve evidence-informed policy making. First, BKPK has formed an Advisory Panel (AP) consisting of the leaders of the MOH's technical directorates (echelon 2) and BKPK. Its function is to determine policy priorities and monitor policy implementation. Second, BKPK is forming a Technical Advisory Panel (TAP), consisting of independent technical experts who will support the Advisory Panel members, analyze and map policy priorities, advise on policy formulation, and support monitoring.

Third, in collaboration with R4D and UGM, BKPK is also formalizing a health policy implementation feedback model, where subnational teams monitor and analyze policy implementation at district/city level and channel analysis and recommendations upwards to BKPK. Analysis and recommendations from the subnational level will then be synthesized at national level.

This partnership is organized into the following three phases:

- Phase I: Inception and Co-creation (October 2025 – January 2026)
- Phase II: National and Subnational key stakeholders' capacity building and pilot Policy Quality Assurance approach (January 2026– December 2026)
- Phase III: Evaluate and propose revisions to model to facilitate full implementation and institutionalization (January 2027 – May 2027)

In 2026, the technical team (BKPK, R4D, and UGM) will engage 3 Technical Advisory Panel experts in different technical domains to provide flexible support to the Advisory Panel as it performs its function of formulating and monitoring policy implementation. These 3 TAP

experts will work closely with a working team (*Timker*) of BKPK staff. They will also support the functioning of the subnational policy feedback model.

Scope of work and Responsibilities

The **Technical Expert (Data Science / Biostatistics)** will be based in Jakarta and work closely with BKPK and the R4D team to ensure the rigorous evaluation of health policies and the effective communication of research findings.

Activities	Responsibilities	Indicative Level of Effort (LOE)
Health Policy Analysis & Evaluation	a. Act as Technical Advisory Panel expert to support Advisory Panel (AP) leadership by providing sound advice to BKPK on technical matters related to health policy implementation and evaluation b. Coordinate the national-subnational policy feedback mechanism (both upward and backward) c. Utilize policy evaluation methods to research and analyze national and global health policies. d. Support the development of evidence-based policy recommendations.	35%
Research & Publication	a. Conduct scientific writing for indexed journal publications. b. Apply quantitative and qualitative research tools (e.g., SPSS, STATA, NVivo).	20%
Data Visualization & Management	a. Support the Advisory Panel leadership with data analytics b. Translate complex health data into actionable insights using Tableau, PowerBI, R/Python, or GIS. c. Maintain data integrity for policy reporting.	15%
Project Management & Strategic Communication	a. Facilitate cross-unit and cross-sectoral collaboration. This includes facilitating coordination with Advisory Panel and channeling with policy analysts at the subnational level (province and districts/cities) b. Manage program timelines and ensure strategic alignment across stakeholders. c. In-person coordination with BKPK at minimum twice a month	20%
Knowledge Transfer	a. Actively perform knowledge transfer and capacity building within the BKPK ecosystem.	10%
TOTAL LOE (est. 10 days / month)		100%

Expected Deliverables and Milestones

The consultant will contribute to project-specific outputs, including but not limited to:

- **Policy Briefs & Reports:** Syntheses of national health policy evaluations, including feedback received from subnational channels.
- **Scientific Manuscripts:** Drafts prepared for submission to indexed journals.
- **Data Visualization:** Interactive data tools (Tableau/PowerBI) for policy monitoring, including incorporation of real-time feedback from subnational policy monitoring tool.

- **Coordination Matrices:** Documentation of subnational-national coordination meetings, cross-sectoral meetings, and program milestones.

Milestones/Deliverables	Timeline for Deliverables
Biostatistics	
<p>Effective and regular coordination of the national-subnational policy feedback mechanisms in West Nusa Tenggara province (including Mataram City and Lombok Barat District)</p> <p>Technical assistance provided on the policy feedback mechanism's monitoring system, policy and program measurement IKK/IKP, and funding allocations for Minimum Service Standards/SPM</p>	April 2026-April 2027
<p>Data management provided to the working team (Secretary of Agency/Sesban) related to national survey data that is needed by BKPK (including policy and program measurement IKK/IKP at the national and subnational levels and subnational funding allocations for Minimum Service Standards/SPM)</p> <p>Mapping completed of national health targets listed in national-level strategic documents (Renstra) that are aligned with global health targets</p> <ul style="list-style-type: none"> - Targets are grouped into health categories/issues, such as maternal and child health, infectious and non-communicable diseases, health financing, and strengthening the health system, etc. in accordance with the references used by the Ministry of Health; alignment status provided (e.g.: Full alignment, partially aligned, or no target) - Technical recommendations provided, in the form of proposed new indicators/targets to be adopted by the relevant program units (Global Health Strategy/Paskal) 	April 2026 – April 2027
<p>Data Validation and Performance Indicator Measurement Methodology utilized in BKPK</p> <ul style="list-style-type: none"> - Inventory of data sources on performance indicator achievement by technical units - Review of operational definitions and methodology of calculating indicators - Assessment of data quality (completeness, consistency, accuracy, and timeliness). - Identify the risks and weaknesses of performance indicator data. 	4 months (April - July 2026)

Specific Qualification

Biostatistics

- Based in Indonesia, with the ability to engage regularly in person with Badan Kebijakan Pembangunan Kesehatan and R4D
- Early and mid-career professionals encouraged to apply
- Master's Degree in Statistics, Biostatistics or Data Science
- Min of 5 years experience in data analysis and visualization, health data is preferred
- Proficiency in research software such as **SPSS, STATA, or NVivo**.
- Advanced technical ability in data visualization tools like **Tableau, PowerBI, R, Python, or GIS**.

Submission & Evaluation Requirements

Interested candidates should submit the following materials via the [R4D website](#) by the application deadline (March 23rd, 2026):

- **Cover Letter** detailing relevant experience in health policy.
- **Updated CV** highlighting education and technical tool proficiency.
- **Proposed Daily Rate** based on previous consultancy experience.
- Candidates may be requested to provide a **writing sample** (e.g., a policy brief or scientific publication) and participate in a virtual interview.

Payment Schedule - The estimated LOE is 10 days per month over the 12-month period of performance for this assignment (April 2026 to April 2027). The selected consultant will be engaged and supervised by R4D, while working closely with BKPK. The consultant shall invoice monthly and payments will be made according to R4D's standard payment terms of 30 business days.