



MINISTERUL SĂNĂTĂȚII
UNITATEA DE MANAGEMENT AL PROIECTULUI BĂNCII MONDIALE

Str. Cristian Popișteanu 1-3, etaj 2, cam. 235-236
Tel: 021.3072589/590/686; Fax: 021.3072587

REQUEST FOR EXPRESSIONS OF INTEREST
CONSULTANCY SERVICES – INDIVIDUAL CONSULTANT
eHealth Specialist for National Health Data Analytics Master Plan Development

ROMÂNIA
MINISTRY OF HEALTH
Health Sector Reform
Improving Health System Quality and Efficiency Project
Loan no. 8362 – RO
Reference no.: CS/B/54.1

Assignment title: Technical Assistance - eHealth Specialist for National Health Data Analytics Master Plan Development

Under the Romania Health Program-for-Results, improvements in health information management are envisioned to ensure standardization, and interoperability of the existing subsystems, to facilitate access to information and enable evidence-based decision-making, including commitment controls. The application of state-of-the-art data analytics will help identify and prevent inefficient spending in many areas—for example, unnecessary care (referrals, visits, laboratory tests, etc.), failure to adhere to best practices, duplication of services, non-optimized drug prescriptions (e.g., less use of generics than expected), non-optimal use of infrastructure and medical equipment, low workforce productivity, detectable high-cost centers (e.g., population with high number of readmissions, over-prescribing centers), errors (e.g., coding, claimed services not connectable to medical conditions), and frauds.

Lack of centralized data exchange platforms and mechanisms for accountability in the use of health financing lead to inefficiencies in health spending. The National Health Insurance House data system, which captures 67 percent of total health expenditure, has limited mechanisms to identify and prevent the provision of unnecessary services or detect errors in claims and fraud. The disconnect between the National Health Insurance House data system and the Ministry of Health (including services provided through community health care and the national health programs on prevention) also prevents the review of health expenditure and utilization patterns across the whole system. Lack of a data governance standardization platform limits communication between systems and prevents the introduction of quality assurance mechanisms to hold providers accountable for performance. This will support the development of data governance framework and building IT systems that enable the identification and reduction of ineffective health expenditures and promote performance management in service provision. It will also improve epidemiological surveillance, detecting changes in incidence, mortality, and the geographic ranges of health outcomes.



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An inter-institutional agreement for data governance will be developed and implemented, strengthening the stewardship role of the Ministry of Health in overseeing the efficient, reliable, complete, and timely collection and reporting of data for decision-making via centralized platforms. The National Health Insurance House will develop and implement adaptive algorithms for service delivery reporting from health care providers and improve detection of unnecessary service provision, errors in claims, and fraud. An interoperable system will also be developed to connect data from the National Health Insurance House, Ministry of Health and providers, enabling the application of advanced algorithms to further identify and reduce inefficient spending. Reducing losses due to inefficient spending will reduce projected total health expenditure by the National Health Insurance House by 2.5 percent. Technical assistance will be required to design and implement an upgraded system platform for the interoperable data system.

Ministry of Health, through Project Management Unit intends to apply a part of the proceeds for consulting services – *Individual Consultant –eHealth Specialist for National Health Data Analytics Master Plan Development*.

The purpose of the assignment is to support efforts to build IT systems that will enable improved legal, financial, organizational and data analytics capacity to improve policy decisions for identifying and reducing inefficient health expenditure and promoting performance management in service provision. To do that, the Ministry of Health is looking for development of a Health Data Analytics Master Plan. It aims at increasing the stewardship role of the Ministry of Health in overseeing the efficient, reliable, complete, and timely collection and reporting of data for decision-making via centralized systems. The Consultant's assignment has two objectives:

- to perform the review of the healthcare information systems with the emphasis on data availability and potential for exchange. The purpose of the review would be to develop recommendations, functional and technical requirements for improved health data analytics;
- to contribute to drafting of the Health Data Analytics Master Plan that will be a policy document on improved data governance framework and institutional, organizational and technical design of data management systems for collecting, managing and providing information from the health sector to stakeholders.

Ministry of Health, through Project Management Unit, now invites eligible individual consultants to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. A Consultant will be selected in



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accordance with the provisions of *Individual Consultants* method set out in the Consultant Guidelines.

For performing the consulting services mentioned above, the Consultant must be self-employed individual (legal entity). Also, the Consultant may provide the services through a company that will sign the Contract with the Ministry of Health – Project Management Unit. The services will be performed **only by selected Consultant and no replacement will be possible.**

All taxes related to the Contract will be included.

The consultant selected to carry out the assignment shall fulfil the following requirements:

- graduate degree in Information systems; Post-graduate degree will be advantage;
- At least 10-year experience in the field of information technologies;
- at least 5 years of experience in e-Health systems development, design and implementation;
- at least 5 years of practical experience in e-health data analytics systems development, design and implementation;
- Experience in development and implementation of the technical architecture of unified healthcare integrated information systems with accurate records of implementation experience and active knowledge of the fundamental architectural structures and methodologies;
- Minimum 5 years experience in functional analysis of complex technological applications for large-scale systems, and business process reengineering;
- Experience in working with complex applications in variety of architectural environment;
- Good knowledge of service-oriented architecture services (SOA), event-driven architecture, Web services and other integration techniques;
- Good knowledge on data warehouse and business intelligence systems;
- Good knowledge of a unified language (Unified Modeling Language), the business process model and notation (BPMN);
- Experience in business analytics and implementation of ICT based solutions for the public sector;
- Experience in carrying out functional review/systems analysis;
- Experience in developing requirements for healthcare information systems (at least one reference provided);
- Proven record of writing analytical and technical reports;
- Fluency in English; fluency in Romanian would be an advantage;



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The attention of interested Consultants is drawn to paragraph 1.9. of the *World Bank's Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, January 2011 ("Consultant Guidelines")* setting forth the World Bank's policy on Conflict of Interest.

Expressions of Interest must be submitted in English to the address below by **April 7th, 2022, 16:30 Bucharest local time**. Expressions of Interest will be accompanied by Curriculum Vitae (CV), including copies after relevant supporting documents (diplomas, certificates, etc), Certificate of Fiscal Registration.

Further information can be obtained at the address below during office hours Monday – Thursday from 8:30 to 17:00 hours and Friday from 08:30 – 14:30 hours.

Expressions of Interest must be delivered in a written for to address below (in person, by e-mail or by mail) by **April 7th, 2022, 16:30 Bucharest local time**.

Ministry of Health

Project Management Unit

Attn: Mr. Mihai Monoranu, Head of PMU, Anna – Maria Mareș, procurement consultant
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