Support and Steer
Data-Driven Insights

TRACKING DAILY INDICATORS OF PHYSICAL AND MENTAL HEALTH

EXECUTIVE SUMMARY

RIWI is seeking feedback and expressions of interest in partnering on an innovative program of research tracking daily indicators of physical and mental health. Leveraging RIWI's Random Domain Intercept Technology, RIWI and its partners will be well-positioned to continuously and on a daily basis monitor critical health indicators across all countries of interest.

THE CHALLENGE

Since the onset of COVID-19, physical wellness has declined and rates of adverse mental health and substance misuse have increased. Because individual- and population-level health indicators are ever-changing, the scope of this health crisis is presently unknown. Stakeholders across industries, fields, and organizations must have an effective method of daily health monitoring in place to develop and implement health policies and programs that accurately address the current scope of the issue.

> The global prevalence of depression and anxiety has increased over 25%

Advancements in mobile health apps and wearable health devices showed early promise for real-time/naturalistic monitoring; however, their data integrity can be compromised through data manipulation attacks and breaches. Furthermore, this technology may not be conducive to broad-based, inclusive health monitoring — especially in remote regions or closed societies — nor can it be rapidly leveraged to conduct wide-reaching health assessments in response to breaking events.
The current global health crisis has yet to be adequately addressed due to limited sampling techniques, inconsistencies in global measurement and reporting, and barriers to the execution of rapid data collection. Dynamic, integrated efforts are needed to effectively evaluate current and ongoing trends in physical and mental health. This initiative offers a method to rapidly and continuously measure health indicators along with their impacts, enabling real-time trend tracking, early warning identification, and international comparison.

We are eager to hear your feedback and interest in supporting the development, scope, and implementation of this innovation.
Contact **RIWI** at **ask@riwi.com**.

TOGETHER, WE'LL CONFRONT THE CHALLENGE

RIWI's patented and proven Random Domain Intercept Technology (RDIT) can confront the challenge. RDIT rapidly and continuously captures randomized, global human sentiment and experience data. The unique technology allows for inclusive data collection, global reach, and deeper insights beyond traditional administrative metrics and survey data. RDIT is fully anonymous, which encourages honest responses to questions assessing sensitive topics, such as physical and mental health.

> Seeking strategic partners to support, steer, and champion this innovation

RIWI's RDIT could be rapidly harnessed to address various challenges to physical and mental health around the world, such as those listed below.

Physical and mental health:

- What is the current and ongoing prevalence of physical/mental health conditions (symptomology and diagnosis)?
- To what extent are individuals presently taking daily physical health precautions against viral illness? How do preventative behaviors shift in response to medical developments?
- Which regional and demographic populations experience worsened physical and mental health? What are the best ways to enhance physical and mental health both broadly and among subpopulations?

Health services and technology:

- How does self-stigma, trust in medical authorities, and perceived legitimacy of medical institutions influence willingness to seek health services? How do perceptions differ by patient gender, race/ethnicity, sexual orientation, age group, and health condition?
- When and why do individuals seek (or not seek) physical and mental health services? What is the current and ongoing demand for health services?
- What are the drivers in selecting certain medical devices, procedures, and treatment plans?