



MANAGEMENT INDICATORS IN RESEARCH 2022 INICIB-URP

INDICADORES DE GESTIÓN EN INVESTIGACIÓN 2022 INICIB-URP

Jhony A. De La Cruz-Vargas ¹, Elio Iván Rodríguez Chávez ²

EDITORIAL

Given the importance of the research component to respond to phenomena and problems demanded by society⁽¹⁾, At Universidad Ricardo Palma, research has been fostered and promoted as an institutional policy. The Instituto de Investigación en Ciencias Biomédicas, which reports to the Rectorate and is integrated into the Facultad de Medicina Humana, has been working to contribute substantially to this growth in research.

The research is directly related to the quality processes of higher education, innovation, extension, linking, licensing, accreditation, and finally, the ranking of universities. As is evident, the research is linked to the present and the future of universities. Therefore, measuring the impact of research is essential because educational institutions are and must be permanent generators of intellectual property, knowledge and human resources, which impact the educational, scientific, economic and social sectors⁽¹⁾.

Indicators have become key instruments to improve decision-making in the management of institutions and for a better definition, development, and evaluation of policies, reforms and programs. To support the evaluation and decision-making relevant to the definition and implementation of policies that promote research, it is essential to generate updated and reliable information for use and analysis by those responsible for these processes⁽²⁾.

In this editorial, we present thirteen of the research management indicators of the Instituto de Investigaciones en Ciencias Biomédicas de la Universidad Ricardo Palma, grouped into 4 categories: A) Human resources and research lines, B) Infrastructure, technology and budget, C) Projects and publications, D) Research-Teaching Articulation. Events and Training Courses E) Student participation and sustained theses (Table 1).

¹ Instituto de investigaciones de ciencias biomédicas, Universidad Ricardo Palma. Lima, Perú.

² Rectorado, Universidad Ricardo Palma. Lima, Perú.

Cite as: De La Cruz-Vargas JA, Rodríguez Chávez El. Management indicators in research 2022 INICIB-URP. Rev Fac Med Hum. 2023;23(1):07-11. doi_10.25176/RFMH.v23i1.5536

Journal home page: <http://revistas.urp.edu.pe/index.php/RFMH>

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**Table 1.** Indicadores de Gestión de la Investigación 2022 – INICIB-URP.

CATEGORY	GOALS		ANALYSIS OF RESULTS
	Programmed	Executed	
Category A: Human Resources and Lines of Research			
Indicator 1: Human Resources			
a) Increase in the number of RENACYT-CONCYTEC research	5% of medical teachers	>5% of medical teachers	As of December 2,022: 47 teaching researchers.
b) Participation of students in research projects	4 students	20 students	Student participation in various research
c) Participation of computer science student interns	02 per semestre	02 per semester	Incorporation of two Computer Engineering
Indicator 2: Priority research areas			
a) Approved and current in 2021-2026	16 lines	16 lines	Clear and approved lines.
Indicator 3: Research Ethics Committee			
a) Research Ethics Committee of the School of Human Medicine.	Current	Current	Evaluates research projects
Category B: Infrastructure, technology and research budget.			
Indicator 4: Infrastructure and technology			
a) Development of research laboratories.	03 units	03 units	Laboratory of Biotechnology,
b) Latest generation technological equipment.	25 devices	26 devices	Provision of state-of-the-art equipment.
c) Office and computer equipment	5 devices	5 devices	Computer equipment, printers, internet access.
d) Platforms and databases	3	3	Digital Commons, Embase, Uptodate.
Indicator 5: Research budget 2022			
a) Budget growth.	25%	100%	Growth of more than 100%.





Growth of more than 100%.

Indicator 6: Research projects developed.

a) Projects financed by the URP	13	13	Thirteen projects financed by the URP
b) Self-financed projects	15	15	Fifteen projects completed.
c) External competitive funds	1	1	Attracting competitive funds.

Indicator 7: SCOPUS scientific production.

a) Growth relative to 2021	20%	30%	As of December 31, 2022 in SCOPUS, surpassed the goal.
b) Substantial increase of articles in Q1-Q2	5 articles	>05 articles	Presence in Q1-Q2 journals.

Indicator 8: Indexed scientific journal.

a) Revista de la Facultad de Medicina Humana	1	1	Indexed in more than 10 international
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Category D: Research-Teaching Articulation. Events and training courses.

Indicator 9: Participation of research professors in teaching courses.

a) Subjects of the medical career that has research teachers.	20	25	Presence in more than 50% of medical
b) Formative research	7	15	Formative research products

Indicator 10: Organization of scientific events.

a) International Events.	1	3	Three events were held
b) National Events.	1	2	Two events were held
c) Participation in international events	2	5	Participated in five events

Indicator 11: Research training.

a) Training courses for teachers	2	4	Four courses were held.
b) Course for students and teachers	1	1	One course was held.
c) Course for hospitals	1	2	Two courses were held.

Category E: Student participation.

Indicator 12: Students participating in the Thesis Degree Workshop Course.

a) Students of the class of 2022 who took the workshop course	80%	90%	The number of students was exceeded
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Indicator 13: Thesis submitted 2022.

a) Number of theses submitted	150	160	Theses submitted and approved.
b) Award for the best theses	10	10	Financial award event and diploma.



The management indicators shown by the INICIB (<https://www.urp.edu.pe/pregrado/facultad-de-medicina-humana/inicib/>), their purpose is to evaluate the performance technically and objectively of the different dimensions of the work of the Institute that is in charge of the research function, providing the information that allows detecting areas of performance and taking advantage of opportunities to optimize said functions.

Gathering the critical mass of researchers and exceeding 5% of research professors in the Facultad de Medicina Humana, with various specialties, including experts from other disciplines, has been possible in the context of the 100 x 100 URP Special Program. The University and the Institute have clearly defined 2021-2026 research priorities in accordance with national priorities. Based on this definition, it is essential to finance or sponsor research that addresses these priorities. The validity and continuity of the work of the Research Ethics Committee plays a fundamental role in the research process.

The University generated the conditions and approved the special 100 x 100 URP Program to promote scientific production, which allowed for the incorporation of research professors, assigning bonuses, and providing support for translations of articles and publications in high-impact journals. The year 2022 began the development of research laboratories, with significant infrastructure and technology investments. Other programs, such as the incentive program for professors who publish, the support program for participation in national and international events, the annual program for financing research projects, among others, reflect the vision and political will of the University.

If we consider scientific production as the highest indicator of the results of scientific activity, this should be the fundamental criterion for measuring research activity. Moreover, the indicators are helpful in the information and decision-making process, as statistical and management information, as system productivity information and for political use⁽³⁾. A significant step is transferring research to future generations of doctors through teaching various academic subjects. As a result, diverse research training activities have been developed. Each year an average of 160 theses are

supported and approved. Research must be considered as a means of professional, technological, and economic development of society and not an end to graduate⁽⁴⁾. Another strategy to promote and motivate quality theses has been the "Contest and award for the best theses each year". In addition, participation in scientific events has been achieved to disseminate the work of researchers and the results obtained.

In universities, research centers, institutes, and laboratories, it is inherent to focus on evaluating scientific work. This evaluation should be an institutionalized activity, playing a significant role for the development and proper management. We can consider that research is a complex activity that requires a series of indicators that allow us to evaluate each of the aspects in order to obtain a global vision of scientific efficacy or performance⁽⁴⁾.

Research evaluation can play an essential role in the development of science and its interactions with society. In addition, research indicators can provide crucial information that would be difficult to aggregate or understand from individual experiences. But quantitative information should not be allowed to become a goal in itself. The best decisions are made by combining robust statistics sensitive to the objectives and the nature of the research being evaluated. Both quantitative and qualitative evidence is needed - each is objective in its own way. Decisions about science must be made based on high-quality processes informed by the highest-quality data⁽⁵⁾.

With the research management indicators mentioned above, we have built the foundations to project sustained and progressive growth in scientific production, teamwork, respect, ethics, and academic integrity. The most significant current and future challenge of those to come will be how to ensure the sustainability and identity of researchers, the necessary allocation of budgets, as well as the effective coordination of the various levels of decision-making within the institution.





Correspondence: Jhony A. De La Cruz-Vargas.

Address: INICIB, Facultad de Medicina Humana, Edificio I-208. 2do piso. Avenida Benavides 5440, Surco, Lima-Perú.

Telephone number: 708-0000 / Anexo: 6016

E-mail: jhony.delacruz@urp.edu.pe

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INDEXACIONES



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TALLERES DE CAPACITACIÓN DEL REGISTRO PARA:



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