

# Report

## Report of the Brazilian Congress of Informatics in Health, 2016

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The Brazilian Congress of Health Informatics, the CBIS, is the main national event in the area, conducted biennially by the Brazilian Society of Health Informatics (SBIS), since 1986. The XV CBIS 2016 took place from November 27 to 30, in Goiânia, Goiás. The event contributed with a varied scientific programming, distributed in seven modalities of presentation, in order to stimulate the exchange of experiences and discussions around the theme: The Informatics Transforming Health.

The challenges for the integral and qualified health care of the citizen are numerous in our country. The processes of health care are closely linked to information and communication, whose mechanisms depend on knowledge and technology to enable increasingly efficient approaches that support the quality, access, resolubility and humanization of care. The health promotion, the disease prevention, the treatment and the patients' recovery is done through a network of care, which in turn lacks timely and safe health information, even if generated in different care settings, over the long term and the time and geographical space. Inserted in a context of great complexity, the informatics applied to health can support the planning, the execution of service provision, the diagnosis and the evaluation and monitoring of health care processes as well as those related to management information, justifying a large investment in human and financial capital, which are increasing in the sector. This can be evidenced already in the opening ceremony of CBIS 2016, which was attended by the Minister of Health Ricardo Barros. The Minister underscored the importance of information technology for the improvement of the Unified Health System (SUS), in addition to highlighting the government's e-Health strategy aimed at integrating the health information in Brazil.

The objective of this national meeting was to allow the integration between the professionals of the area of informatics and health, promoting the technical-scientific update, allowing the exchange of experiences. For this, an exhibition of products and services of related areas was promoted, which brought to the public numerous experiences in the field of health informatics as contributions to the advancement of research, education and care of the person. National and international strategies for interoperability between information systems were discussed. Major advances such as the SBIS-CFM Software Certification and Digital Certification for electronic medical records in Brazil were presented, as well as the challenges for interoperability between systems, devices and equipment in the health area were renewed.

The theme of the scientific discussions also focused on teaching and the national market was organized in three broad axes: Clinical systems; Disciplinary and transdisciplinary informatics applied to health; Organization, management and social impact of health informatics. With a varied programming, suggested by the participants who sent their work through the electronic platform of the Congress, the active participation of the participants was a strategy to strengthen cooperation among the various profiles in a characteristically multidisciplinary area: the information technology professionals, the health professionals, managers, administrators and users of information systems. To broaden the horizons of the discussions of current and relevant topics of informatics as a transforming agent of health, the event counted on three international and one national lecturers. More than adding professionals from different areas that are articulated, the CBIS has stimulated transdisciplinarity, that is, the production of a new knowledge from the look that each one brings of his area of performance.

The XV CBIS counted more than 100 international authors on scientific contributions. The congress also hosted seven satellite symposia, part of them international, with the participation of public and private managers, professionals, undergraduates, graduate students and researchers interested in deepening the knowledge and discuss current topics on informatics applied to health.

The changes in health, arising from an increasingly technological world, received in the congress a special focus, which discussed broadly the challenges in the formation of human resources for the contemporary scenario. During the event, eight professionals received the professional certificate in health informatics (cpTICS), after passing a specific test. In addition, the Society announced a mentoring program to encourage new talents in Health Informatics, similar to initiatives in the American Medical Informatics Association (AMIA) and the Canadian Health Informatics Association (COACH). The proposal will be coordinated by SBIS. Senior specialists with extensive experience in teaching, research, development and management will act as mentors to other members of the Society who are starting a professional career in Health Informatics, helping to leverage their professional career.

The scientific quality of contributions has evolved since the first CBIS. To live up to the growing scientific quality of the event and the contributions received, the full articles for the first time were published in a special supplement to the Journal of Health Informatics, the official scientific journal of SBIS. The articles were indexed in the LILACS database, the most important and comprehensive index of the scientific-technical literature in Latin America and the Caribbean, increasing the visibility of the scientific products presented and discussed at the congress. In addition to the special issue only for articles, all other submissions accepted and presented at the event were published in the SBIS collection, in digital form, in the form of Annals of CBIS 2016, under ISSN 2178-2857.

The SBIS completed 30 years in 2016, promoting the largest CBIS in its history. Seven papers were awarded and 23 others received a distinguished diploma, chosen by the congressmen, in a list that was pre-qualified by the 115 invited reviewers of the Scientific Committee, among more than 400 submissions. For this, the Congress made available a mobile application that took the name of the event. The application contributed to the dynamic participation of the present audience, in addition to bringing all programming in real time, information about the city,

sponsors and sync with Facebook and Twitter of CBIS 2016.

### The CBIS in numbers

Supported by the Federal University of Goiás, through its Commission on Health Information Governance, the event counted on 596 congress men. There were 52 guest speakers; three international lecturers and one national; 423 papers submitted and 341 papers presented and published, of which 114 complete papers were presented, 27 demonstrations, 12 panels, 107 posters, 22 scientific initiation posters, 52 case reports and 7 tutorials.

“There is no health without management. There is no management without information.”<sup>1</sup> Information must be available where it is demanded, accessible, secure and accurate. Health Information and Communication Technologies (ICTs) through the technologies, standards, resolutions, specific standards and certifications provide the necessary tools for health information to be collected, stored, consumed, distributed and analyzed efficiently. It is necessary, however, to plan in a broader and integrated way, and to have more people to think about the future we want for health in Brazil, from the information perspective, and to ensure that what is being built today will be compatible with the future expected. The event fulfilled its role in reflections on how we are accomplishing this task and how we can do better.

Figure 1- XV Brazilian Congress of Health Informatics, 2016



Link to the video of the opening of the XV CBIS\_2016: <https://youtu.be/kyIPA1G7bVc>

<sup>1</sup> Gonzalo Vecina Neto, 2004.