Big data : IBM collabore avec l'UICC pour aider les pays en développement à lutter contre le cancer

Une base de données recensant les malades du cancer en Afrique sub-saharienne va être développée

Paris - 19 nov. 2013: IBM annonce aujourd'hui sa collaboration avec l'Union Internationale de Lutte contre le Cancer (UICC) afin de mettre en place la plus grande base de données au monde sur les malades atteints du cancer dans les pays en développement. Cette collaboration débute en Afrique sub-saharienne avec l'installation de bureaux de recensement pour les patients.

Dans cette région du monde peuplée par plus d'un milliard d'habitants et où moins de 1% de la population peut être recensé par les registres du cancer, cette initiative va participer à améliorer la prévention et le traitement des patients atteints. Elle permettra également d'enrichir les connaissances mondiales dont on dispose sur le cancer.

Les centres de recensement fournissent aux gouvernements des données telles que la fréquence d'apparition du cancer et les taux de mortalité, facilitant ainsi la mise en place de politiques adaptées. Ces centres permettent également aux cliniciens de suivre les traitements des patients afin de leur prodiguer des soins sur mesure. Ainsi, bénéficier de données fiables et exhaustives est primordial pour pratiquer des interventions efficaces et pour sauver des vies.

 «*L'objectif d'IBM est d'aider ces pays à améliorer l'accès aux soins grâce à l'innovation et à l'information, afin de fournir aux patients des traitements plus efficaces et plus rapides, quel que soit l'endroit où ils se trouvent* » a précisé **Gary Cohen, Président d'IBM Afrique.** Ce partenariat s'inscrit dans une relation de longue date qu'entretient IBM avec les chercheurs, les organisations de santé publique et les cliniciens.

 IBM Partners with the UICC to Use Big Data to Build Cancer Registries in Developing Nations

Collaboration begins in Sub-Saharan Africa to help close the gap in cancer prevention and treatment

Cape Town, South Africa - 19 Nov. 2013 : IBM (NYSE: IBM) today announced it is working with the Union for International Cancer Control (UICC) to create the world's largest and most comprehensive clinical dataset on cancer patients by building cancer registries in developing nations.

The effort will begin in Sub-Saharan Africa, where less than 1% of the region's population is covered by a cancer registry. With more than a billion people in the region, the new effort will improve cancer registration and, in time, treatment for patients in Africa while enriching knowledge about cancer for patients all over the world.

Cancer registries provide governments with incidence and mortality data so that effective policies for cancer control can be developed, implemented and evaluated. They also provide clinicians with information about patient outcomes to help identify tailored treatment options. Reliable and comprehensive data leads to the most effective interventions for saving lives.

The donation of Big Data and analytics technology was announced by **Gary Cohen, Chairman, IBM Africa,** at the World Cancer Leaders' Summit in Cape Town. *"IBM's objective is to help find ways to level the field of access through innovation and knowledge, so that we can bridge the divide between the discovery of cancer and the delivery of treatment with positive outcomes - regardless of geography,"* he said.

The initiative will begin in two to three countries in Sub-Saharan Africa, continue throughout the region and extend to Southeast Asia and Latin America. The IBM collaboration supports UICC's work with the Global Initiative for Cancer Registries in low- and middle-income Countries (GICR). According to the World Health Organization, about 70% of all cancer deaths occur in developing nations. Experts predict that the Sub-Saharan region alone will see more than an 85% increase in its cancer burden by 2030.

"With IBM's expertise in Big Data and analytics, I can imagine a world in which the very latest scientifically proven means of detecting and treating cancer is available in all countries, benefitting patients wherever they are in the world," **said Cary Adams, CEO of UICC**. *"This information will provide unique and compelling insights on cancer, the likes of which we have not seen before."*

According to the World Health Organization, more than 12 million people worldwide will be diagnosed with cancer this year, and approximately eight million will die. Yet, Adams continues, this number is drawn from a database that is increasingly weak as the cancer burden moves as predicted from developed to developing countries. *"Much of the world is tracking a growing burden of cancer with very incomplete information,"* he said. *"Improving the collection of data is critical to our ability to address cancer around the world."*

Collecting data about the incidence of cancer in many countries in the region is achieved through a paper-based system, which can consume hours to gather information for a single patient. All of the US and Canada; 94% of Western Europe and 80% of Australia is covered by a cancer registry, according to leaders of the GICR initiative.

"IBM has always contributed its best assets and thinking to the world's biggest challenges, and there are few more serious than cancer," said **Dan Pelino, General Manager, IBM Global Public Sector.** *"By helping UICC build cancer registries, we can shorten the time between discovery and treatment to save lives."*

IBM joined UICC in 2012 to help the organization address the increasing data collection and analysis needs of the cancer community. IBM awarded an initial consulting grant that determined the business and technology plans required to build cancer registries. The next steps for IBM will be collaborating with the UICC and its GICR partners to plan and design the cancer registry in Sub-Saharan Africa, including the services, hardware, software, technical support and expertise to support the plan.

"Improved cancer registry data will reveal the population based trends that are so important in shaping and adapting a cancer strategy," said **Dr. Isaac Adewohle, a gynecologist in Nigeria and president of the African Organisation for the Research & Training in Cancer**. *"This will inform my daily practice in ways that my hospital data alone cannot."*

IBM has a deep history teaming with clinicians, researchers and public health organizations to help fight cancer through Big Data, cloud, analytics and other innovations. For example, IBM Watson cognitive computing technology is advancing evidence-based treatment, payment, and research with [WellPoint](#), [Memorial Sloan-Kettering Cancer Center](#) and [MD Anderson Cancer Center](#). IBM Research recently developed a microfluidic probe with a Swiss hospital to [enhance cancer diagnosis](#), and nanotechnology to improve [treatment of breast cancer](#) with the Institute of Bioengineering and Nanotechnology. IBM's World Community Grid provides free computational power to [speed up cancer research](#) as part of the Help Conquer Cancer project. And in collaboration with the Kenyan government, IBM has developed a plan to promote [cervical cancer screening](#).

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