

## **PARS<sup>3</sup> newsletter : First deployment of Reflex-D and progress on the Claret Initiative (data sharing and consent)**

### **Reflex-D an audit-feedback application being tested at the GMF-U of Richelieu-Yamaska**

Reflex-D is an audit-feedback application that aims at supporting the management of patients with diabetes in a family medicine group (GMF), with a context of quality improvement. It is being developed as a demonstration application for the Learning Health and Social Services Research Platform (PARS3). The project is under the leadership of the Quebec SPOR Support Unit data access component, in collaboration with the Groupe de recherche interdisciplinaire en informatique de la santé (GRIIS).

As part of a quality improvement project, the clinicians of the GMF-U of Richelieu-Yamaska are the first to test the application. Using PARS3, Reflex-D gives clinicians a view of their diabetic patients' data and offers them two tools to analyze their practice.

The first tool, *Comparative analysis*, allows a clinician to compare one's practice with the whole GMF. The second tool, *Individual analysis*, provides access to the clinician's patient's individual data extracted from the EMR, giving the clinician a better view of his/her patient's health situation. This allows the clinician to optimize the management of his/her patient's condition, according to various parameters including INESSS indicators.

To see how a clinician might choose to use the tool, visit the following page: <http://griis.ca/en/reflex-d/>.

### **Our research team is growing**

Developing a data platform supporting the implementation of a learning healthcare system with the scope of PARS3 requires the collaboration of experts from various complementary fields.

In the last year, we had the pleasure to make new collaborations and add four new researchers involved in the Quebec SPOR Support Unit and the GRIIS projects :

- **M. Adrien Barton**, science philosopher and expert in applied ontology and applied ethic
- **Dr Annabelle Cumyn**, physician - internal medicine, expert in applied ethic
- **Pr Anita Burgun**, physician – public health, expert in health informatics
- **Pr Jean-Frédéric Ménard**, lawyer, expert in health law and bioethics

### **Progress on the CLARET structuring initiative**

In the past few months, we surveyed nearly 400 Quebec citizens to ascertain their opinion about the use of medical data in research, as well as their attitude towards the acceptable ways to inform and obtain patient consent.

These first results allowed us to have a certain level of comprehension of Quebec citizens in regard of consent for the use of medical data in research. It also aims to orientate the next phase of the study, which consists of conducting a series of ten focus groups with various citizen profiles. These focus groups, taking place during winter 2019, will provide a clear portrait of the public's expectations regarding a research consent and data sharing, particularly in context of learning health systems like the ones supported by PARS3.

To learn more about the CLARET initiative, you can consult the project's page on the GRIIS (<https://griis.ca/en/initiative-claret/>).

### **Several professional positions to fill**

As the core technology from PARS3 is being integrated with more and more projects, we are actively recruiting research professionals in several sectors: developer, programmer analyst, specification, methodology and technical writing.

We invite you to share our job offers in your network via the following link: <http://griis.ca/en/emplois/>.

### **Student research for master and doctoral projects**

The training and implication of the next generation in our projects is an integral part of the Data Access component of the Quebec Support Unit and the GRIIS.

The GRIIS offers several opportunities of academic research projects financed at the master and doctoral level. Please feel free to share these great opportunities via the following link: <http://griis.ca/en/recrutement/>.

### **To learn more about PARS3**

You can consult the project's page on the GRIIS (<http://griis.ca/en/pars3/>).

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