Description of contents and access steps to the data platform where the ERDF postdoctoral project No. 1.1.1.2/VIAA/3/19/525 "Intestinal inflammation as a potentially modifiable risk factor for complications in type 1 diabetes" gathered data is stored.

About the project and gathered data:

The dataset contains information on 74 patients with type 1 diabetes (T1D) and 39 generally healthy subjects (control group), recruited during the ERDF postdoctoral project No. 1.1.1.2/VIAA/3/19/525 "Intestinal inflammation as a potentially modifiable risk factor for complications in type 1 diabetes". The aim of the project is to reveal associations between signs and symptoms of diabetic gastroenteropathy, serum and fecal inflammatory markers and dietary habits.

Recruitment took place in 2021 in Latvia, Riga. Subjects in the control group were with normal glucose metabolism. Exclusion criteria were: pregnancy, history of inflammatory bowel disease (Crohn disease or Ulcerative colitis) and coeliac disease, acute intestinal infection within 2 months of the planned fecal collection, asymptomatic coeliac disease, clinical signs of acute inflammation, fever.

The dataset includes data of diabetes history (duration, complications such as diabetic kidney disease, cardiovascular disease, neuropathy, retinopathy), medication usage (including ACI/ARB and other hypotensive agents, lipid lowering medications, drugs for control of gastroenteropathy symptoms and other), comorbidities, laboratory test results (glucose, HbA1c, lipids, liver enzymes, serum creatinine, blood count etc.). Further, 17 questions on frequency and severity of symptoms of diabetic gastroenteropathy (gastrointestinal symptom score) are included. We also report the levels of inflammation and endotoxemia in serum: hsCRP, lipopolysaccharide-binding protein (LBP), endoCab IgG and IgM, endotoxin, and faecal calprotectin. Data on diet include food frequency questionnaire, 24-hour dietary recall and 3 day food diary. Food frequency questionnaire covers 118 food products from 20 food groups, snacks and drinks. In 24-hour dietary recall and 3-day food
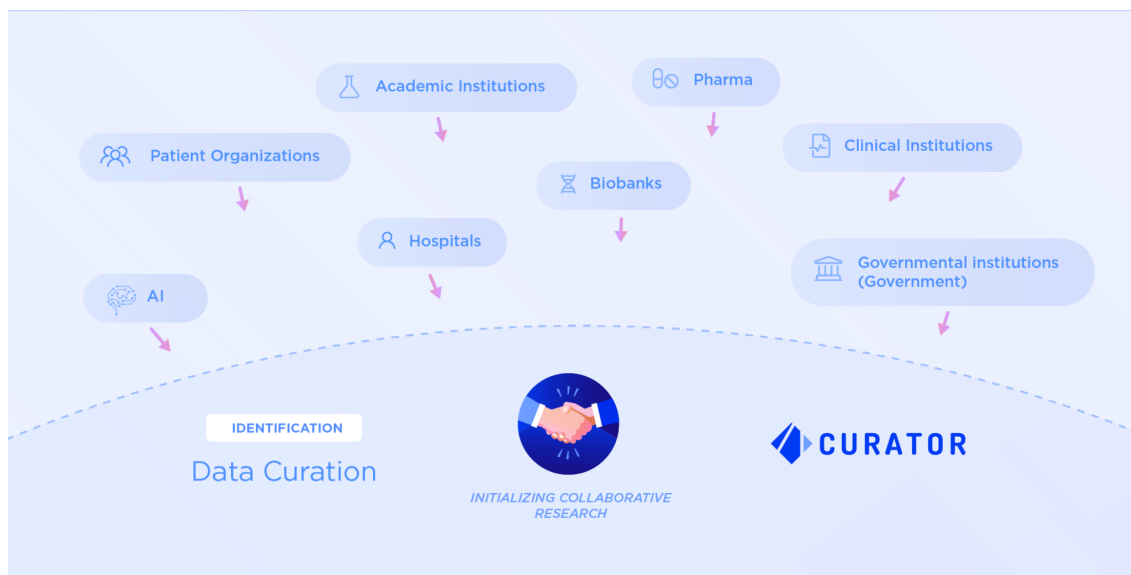
diary, for accurate portion size assessment, validated portion size picture book and food weighting was used.

Storage of the compiled data:

The data gathered during the project were organised in a user-friendly dataset which is stored in the Longenesis.Curator platform. Interested parties can gain access to the Longenesis.Curator platform and project dataset.

Longenesis.Curator is an ecosystem built by the Latvia-based startup Longenesis that supports Secondary Health Data discovery and provides a secure digital platform to connect researchers, healthcare institutions, sponsors and other healthcare stakeholders in real-time. Curator is free of charge to Data Publishers, follows the "Data Stays Local" principle, avoiding ingestion of identifiable data from the Data Publisher's organisation and leaving it for treatment purposes. Curator allows to attract more research and provides to Data Publishers the ability to showcase data or the study participant reach in real time, thus supporting Secondary Health Data Use.

More about Longenesis: https://longenesis.com/
More about Longenesis.Curator: https://longenesis.com/curator

How to gain access to the gathered data:

Thank you for your interest in the project *"Intestinal inflammation as a potentially modifiable risk factor for complications in type 1 diabetes"*! Please follow the below instructions to access the dataset.

Step 1: Gain access to the gathered data:
- Contact support@longenesis.com for details on how to register on the Longenesis.Curator platform and view the dataset *"Intestinal inflammation as a potentially modifiable risk factor for complications in type 1 diabetes"*.

Step 2: View the anonymized dataset, request access to the full data from the Data Publisher - Jelizaveta Sokolovska, MD:

- After gaining access to the gathered data on the Curator platform accomplished in Step 1, you will be able to view the description of the dataset, data sample, categories and tags describing the gathered data.

- You will be able to **Request All Dataset** to send a request to the Data Publisher Jelizaveta Sokolovska, MD to access the full dataset.

- You will be able to select **Query Dataset** to access the set of available data filters. Apply the filters, take a closer look at the data and narrow down the specific data points of your interest.

- After selecting the necessary filters, you will be able to choose to **Send Request** to the Data Publisher Jelizaveta Sokolovska, MD in order to request access to the narrowed-down data of your interest.

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Need help?

- Reach out to Jelizaveta Sokolovska, MD at Jelizaveta.sokolovska@lu.lv with inquiries about the project and the gathered data,
- Reach out to the Longenesis Support team at support@longenesis.com with inquiries about how to gain access to the dataset and navigate the Curator platform,
- Get to know Longenesis and what we do in more detail,
- Find out more about the Curator platform and its use cases.