

## PRIVACY NOTICE

### INTRODUCTION

This Privacy Notice ("Notice") is about the processing of your data by Philips in the initiative Brain Anomaly Detection ("study"). It explains how we process your data when you interact with us as a research participant.

### WHO IS THE CONTROLLER OF YOUR DATA?

For the processing activities covered by this Notice, the controller of your data is Philips GmbH Innovative Technologies, Roentgenstrasse 24-26, 22335 Hamburg, Germany.

### WHAT TYPES OF DATA DO WE PROCESS?

Categories of Personal Data	Application/cluster	Data
ADNI database <a href="http://adni.loni.usc.edu/">http://adni.loni.usc.edu/</a>	Train normative models	Structural MRI, FLAIR, T2 GRE, diagnostic data, age, gender (from healthy subjects)
J-ADNI database <a href="https://humandbs.biosciencedbc.jp/en/hum0043-v1">https://humandbs.biosciencedbc.jp/en/hum0043-v1</a>	Train normative models	Structural MRI, diagnostic data, age, gender (from healthy subjects)
EPAD database <a href="http://ep-ad.org/open-access-data/access/">http://ep-ad.org/open-access-data/access/</a>	Train normative models	Structural MRI, diagnostic data, age, gender (from healthy subjects, will be used to train a model of the healthy brain)
IXI database <a href="https://brain-development.org/ixi-dataset/">https://brain-development.org/ixi-dataset/</a>	Train normative models	T1, T2 and PD images, diagnostic data, age, gender
Lemon database <a href="http://fcon_1000.projects.nitrc.org/indi/retr/o/MPI_LEMON.html">http://fcon_1000.projects.nitrc.org/indi/retr/o/MPI_LEMON.html</a>	Train normative models	FLAIR, T1-weighted and T2-weighted images, diagnostic data, age, gender (from healthy subjects)
OASIS database <a href="https://www.oasis-brains.org/#data">https://www.oasis-brains.org/#data</a>	Train normative models	T1w, T2w and FLAIR, diagnostic data, age, gender (from healthy subjects)
UKBB <a href="https://biobank.ctsu.ox.ac.uk/">https://biobank.ctsu.ox.ac.uk/</a>	Train normative models	T1-weighted data, diagnostic data, age, gender (from healthy subjects)
Mind-brain-body database <a href="http://fcon_1000.projects.nitrc.org/indi/retr/o/MPI.html">http://fcon_1000.projects.nitrc.org/indi/retr/o/MPI.html</a>	Train normative models	FLAIR, T1w and T2-weighted data, diagnostic data, age, gender (from healthy subjects)
Princeton Narratives database <a href="http://fcon_1000.projects.nitrc.org/indi/retr/o/Narratives.html">http://fcon_1000.projects.nitrc.org/indi/retr/o/Narratives.html</a>	Train normative models	T1-weighted data, diagnostic data, age, gender (from healthy subjects)
Mindboggle <a href="https://mindboggle.info/data">https://mindboggle.info/data</a>	Train normative models	T1-weighted diagnostic data, age, gender (from healthy subjects)
MOOD database <a href="https://www.synapse.org/#!Synapse:syn21343101/wiki/599515">https://www.synapse.org/#!Synapse:syn21343101/wiki/599515</a>	Train normative models	Brain MRI dataset, diagnostic data age, gender Scans with no abnormalities will be used. Scans with normal or synthetic anomalies will be used for testing.

Open MS database <a href="https://github.com/muschellij2/open_ms_data">https://github.com/muschellij2/open_ms_data</a>	Multiple Sclerosis	FLAIR data from MS subjects. Annotations/diagnostic data, age, gender. Data will be used to train a specific model for WMH segmentation and for evaluation of the normative model.
Medical Segmentation Decathlon - Task01_BrainTumour database <a href="http://medicaldecathlon.com/">http://medicaldecathlon.com/</a>	Brain Tumors	F2-FLAIR, native T1, native T2, Brain tumor annotations/diagnostic data, age, gender

## FOR WHICH PURPOSE(S) DO WE PROCESS YOUR DATA?

The purposes for which we will process your data:

- To fulfil the primary objectives and purposes of the study.
- To explore AI-based approaches for brain abnormality detection and compare the performance of (i) generic vs. (ii) specific abnormality detection on the basis of three different clusters of databases regarding train normative models, multiple sclerosis and brain tumors in order to model the complete healthy variability.
- Publish results of this study in a scientific journal.  
Publication of novel research is of benefit for the public and the research community and can be the base for improving existing or developing new products and services for the public (health) benefit.
- Philips may also process your data for the following purposes:
  - To ensure its medical devices and services adhere to a high standard of quality and safety;
  - For audits, to check whether our internal processes function as intended and are in line with legal, regulatory or contractual requirements;
  - To respond to requests from public and government authorities, including law enforcement.

## THE LEGAL BASES USED TO PROCESS YOUR DATA

Philips processes your data for the purposes mentioned above only when we have a lawful basis to do so.

- We process your data for Philips' legitimate interests to conduct scientific research. We will only process your data for Philips' legitimate interests when we've concluded that the processing will not outweigh your privacy rights and interests;
- We process your data on basis of the scientific research exemption.

## WHY DO WE NEED YOUR DATA?

Providing your data to Philips for the above-mentioned purposes is completely voluntary. In case you do not want to provide your data to Philips, there will be no negative consequences for you. However, you will not be able to participate in the study.

## WITH WHOM DO WE SHARE YOUR DATA?

Your data may be shared with other Philips affiliates who are part of the Philips Group. Only people (within Philips) who have a need to know the information will have access to the information.

From time to time, Philips may need to share your data with external third parties. Third parties may include:

- *Service Providers.* We contract with trusted third party companies that provide products and services to us such as IT systems and support.
- *Public and Governmental Authorities.* When required by law, or as necessary to protect our rights, we may share your data with public and governmental authorities that regulate or have jurisdiction over Philips.

- *Other parties in connection with corporate transactions.* We may also, from time to time, share your data in the course of corporate transactions, such as during a sale of a business or a part of a business to another company, or any reorganization, merger, joint venture, or other disposition of Philips' business, assets, or stock.

## **INTERNATIONAL TRANSFER OF YOUR PERSONAL DATA**

Due to our global nature, your data may be transferred to or accessed by Philips affiliates and trusted third parties from various countries around the world in order for Philips to fulfill the purposes described in this Notice. As a result, if the study takes place in a member state of the European Economic Area, we may transfer your data to countries located outside of the European Economic Area. Philips is required to ensure a safeguard is put in place for transfers to these countries. Some of these countries are recognized by the European Commission as providing an adequate level of protection; however, for countries that are not recognized by the European Commission as providing an adequate level of protection, we have put in place appropriate legal, organizational, and procedural measures to protect your data, such as:

- The Philips Privacy Rules (also known as the Binding Corporate Rules) approved by the competent data protection authorities. The Philips Privacy Rules enable the transfer of your data between Philips affiliates;
- Standard Contractual Clauses approved by the competent European Institution. These Clauses enable the transfer of your data to external third parties.

## **HOW LONG DO WE KEEP YOUR DATA?**

We keep your data as long as we need to fulfill the purposes for which it has been collected.

The criteria used to determine our retention periods include:

- How long your data is needed to perform the study.
- How long your data is needed to fulfill the purposes for which it was collected.
- Whether Philips is subject to a legal obligation to keep your data.

In light of the above criteria, your data will be permanently deleted after maximum of 20 years with a periodic review every 5 years to see whether the data is still useful. Deleted when appropriate.

## HOW DO WE SECURE YOUR DATA?

Philips is committed to maintaining the security of the data we process. To protect your data, we put in place physical, technical, and organizational measures to prevent risks. These risks include destruction, loss, misuse, alteration, and unauthorized disclosure of or access to your data. We also require our service providers to protect the confidentiality and security of your data.

## WHAT ARE YOUR PRIVACY RIGHTS?

To the extent required by applicable law, you have certain rights with respect to the processing of your data which enable you to:

- obtain information on the processing of your data,
- obtain a copy of your data in a machine-readable format,
- object to the processing of your data,
- have your data rectified or deleted or their processing restricted (to the extent permitted by applicable law), and
- withdraw consent (if applicable) that you might have given with respect to the processing of your data without any consequence for you.

To exercise your rights or to ask any other questions related to the protection of your data in Philips or regarding this Notice in general, you can contact the Philips Data Protection Officer via [www.philips.com/contactprivacy](http://www.philips.com/contactprivacy) or by regular mail at:

Philips - Attn: Group Legal (Privacy),  
Philips Center HBT 16, Amstelplein 2,  
1096 BC, Amsterdam, The Netherlands.

If you are not satisfied with Philips' response or believe that your data is not being processed in accordance with the law, you may contact or lodge a complaint with the competent data protection authority or seek other remedies under applicable law.