

Are you interested in participating?

Who?

All **children** who take part in the **school entry examination 2023/24** in the **district of Goslar** can take part in the BLENCA2- study.

How?

You do not need to register for the study. You will receive the study documents by **post** together with the invitation to the school entrance examination.

- 1** Fill out the **consent form**, **privacy policy** and the **contact form** for the study.
- 2** Complete the **questionnaire**.
- 3** Return everything in the enclosed return envelope.

Following the school entrance examination, you and your child will be collected. In an adjacent part of the building, we will ask you a few more questions and ask your child for a few drops of blood from their finger.

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Do you have any questions or comments?

Visit our **website**:

 www.blenca.de

Or contact us personally. Our staff members, Dr. Laura Wengenroth and Lea John, can be reached at:

 +49 (0) 89 4400 57610

 arb.blenca@med.lmu.de



Has Goslar's mining history affected my child's health?

BLENCA2



Who is involved in the study?

Prof. Dr Katja Radon, Dr Laura Wengenroth, Lea John and other colleagues from **LMU Clinic in Munich** were commissioned by the **district of Goslar** as independent scientists to lead the BLENCA2 study together with the district.

Dear children and parents,

thank you for your interest in the BLENCA2 study.

Background



For many years mining and metal smelting was carried out in the Goslar district. In these processes, lead and other metals were released into the environment. A preliminary study in two municipalities of the district showed elevated levels of lead in the blood of primary school children.

Lead and health



For example, lead can enter the body via food from the environment. If lead levels are elevated in the body, this can have health consequences, especially for children.

Aim of the study



In the BLENCA2 study, we investigate the level of lead in the blood of preschool children and how it is distributed across the municipalities of the Goslar district. We are also interested in the correlation between lead content and the health of the children.

What do you get out of it?

In order to obtain reliable data, the participation of **every family is very important!** This is regardless of the child's state of health or where the child lives.

With the help of your child's participation we can work out what measures make the most sense for the **protection of the children**. Of course, we will inform you about your child's blood lead levels and, if necessary, we will offer a **free consultation in environmental medicine**.

We try to minimise the effort needed from you as much as possible. You will be collected by the BLENCA2 study team directly after the school entry examination and accompanied to the building where the BLENCA2 study is being carried out.

