

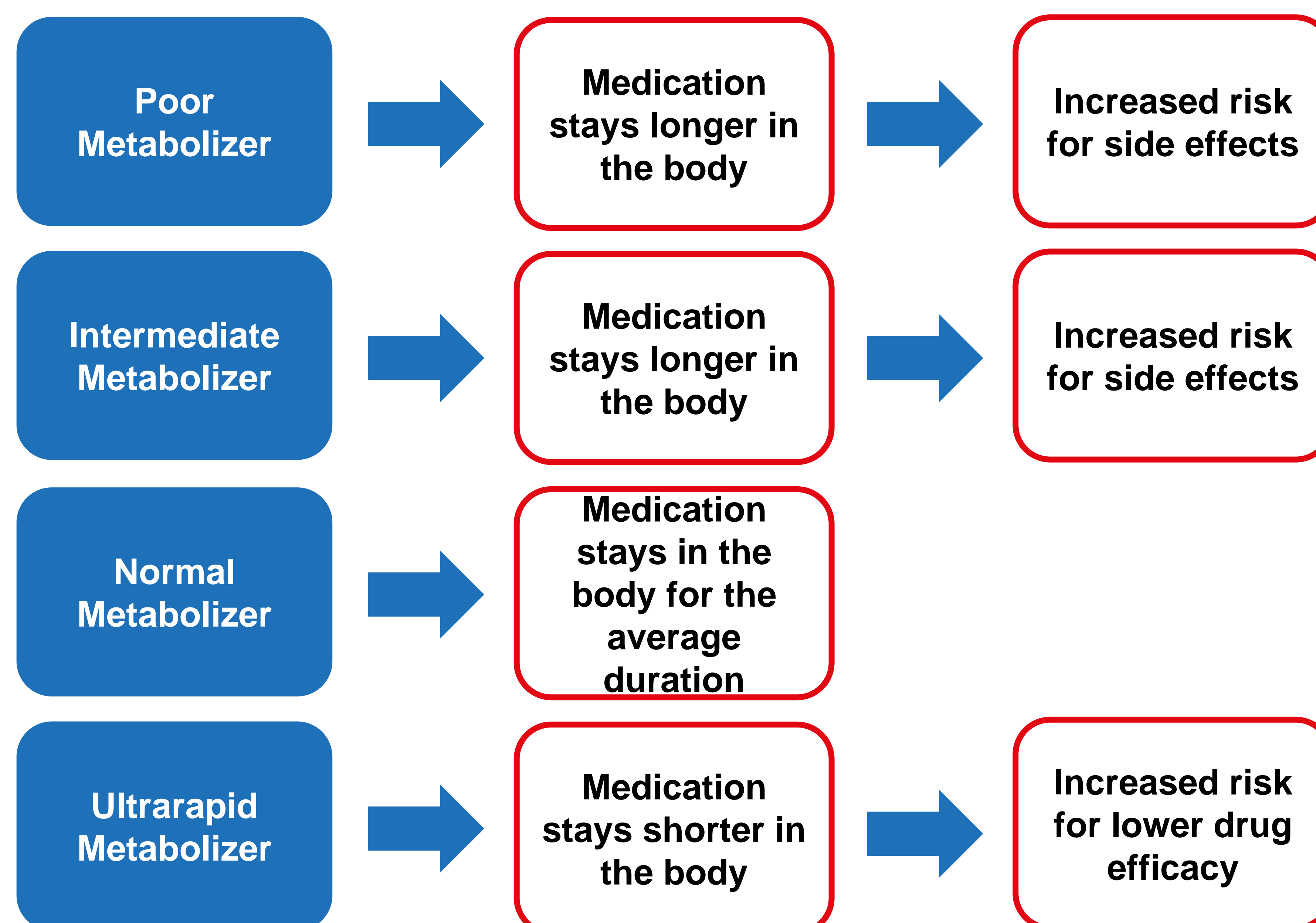


Do you experience difficulties with your current antidepressant or antipsychotic medication?

Then you might be a candidate for **PSY-PGx**!

- About 50-70% of patients with a mental illness experience side effects or lack of efficacy of their medications
- Certain genetic variants influence medication reactions including side effects
- Knowing a patient's genetic profile might help to fine-tune medication dose prescription

How fast does your body process medication?



- **PSY-PGx** is an international project funded by the European Union
- **Aim: To compare genetically informed medication prescription with prescription as usual**
- **Participants will receive adjusted dosing based on their individual genetic profile for:**
 - sertraline or escitalopram for patients with mood or anxiety disorders
 - aripiprazole or risperidone for patients with psychotic disorders





Start End

Week 0

Week 2

Week 6

Week 12

Week 24

Do you want to participate?

- Are you **18 - 64 years old**?
- Do you **own a smartphone that the study app can be installed on?** (smartphone released after 2015)
- Are you currently dealing with **one or more of the following disorders**?
 - Major depressive disorder, bipolar disorder (currently depressive)?
 - panic disorder, generalised anxiety disorder?
 - Schizophrenia, schizoaffective disorder?
- Did you **have to change medication for your condition** either due to side effects or the medication not having the desired effect **in the past**?
- Do you take **no more than 4 different kinds of psychiatric medication**?

How does the study work?

- Duration: **24 weeks, 5 total visits**
- Data gathered: **blood sample, ECG, current symptoms, medication, habits, wellbeing and side effects.**
- Two weeks after your first appointment, you will be **randomly assigned** to either receive **regular treatment** or your **dose** will be **adjusted according to your genetic profile.**
- For the study duration the scientific **BeHapp-App** will gather background information about your everyday life (e.g. location, daily usage).
- Get **information about your metabolizer status** at the end of the study!

Our DNA stores a blueprint of our body. Individual variations in DNA explain a part of the differences between people, including response to medication. In this study, we are mainly interested in variations in two genes that encode proteins found in the liver, named *CYP2C19* and *CYP2D6*.

What happens with your data?

The data we gather during this study will be fully protected according to the most recent **GDPR** and **ethical standards**.

Your data will be labelled with a **random code** so that your **identity is protected at all steps** of the process.

Interested? Contact: *Dr. Thomas G. Schulze: SchulzeT@upstate.edu*

