



## BUILDING SUPPORT FOR CHILDREN AND FAMILIES AFFECTED BY STROKE

This persona-set was made in the context of the BUILD CARE research project which received funding from the European Union's Horizon 2020 research and innovation programme under the European Joint Programme on Rare Diseases (N° 825575) and the national/regional funding partner organisations: FWF (Austria), BMBF (Germany) and FWO (Flanders, Belgium). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or national/regional funding agencies. Neither the European Union nor the granting authorities can be held responsible for them.

Project period: 2022 - 2025

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## PROJECT PARTNERS



# Ben



### PERSONAL

- 8-year-old boy
- Only child, likes to be the centre of attention
- Lives in a detached house
- Attends an inclusive school where he also receives therapy
- Finds maths challenging but proudly says he can count to infinity

### Likes:

His favourite food is sushi (he eats and writes with his left hand)

### Dislikes:

Tricky things that need small finger movements, such as buttons or using scissors

### STROKE

Shortly after birth  
In the left hemisphere of the brain

This continues to cause

- Right-side hemiparesis (affecting his right arm and leg); uses an orthosis to walk
- Seizures, managed with anti-epileptic medication
- Language, memory, visuoperceptive, attentional deficits; leading to difficulties with symbols; aligning buttons and zippers; some clumsiness in spatial judgement

### CARE GIVERS

- Both parents are employed
- Father works full-time
- Mother works part-time

Ben's mother takes on most of Ben's care, from organising therapy and appointments to staying in touch with teachers and managing daily routines. His special care needs require about 40 additional hours per week, sometimes even more.

The family manages their daily living with a yearly income of around €65.000, although they had to pay for modifications and special gear to support Ben.

The family's total expenses on these needs were about €5.000, with almost €2.000 reimbursed by their health insurance. They're currently saving €2.000 to buy a therapy bike, which will help Ben gain more mobility in his everyday life.

# LANDSCAPE OF CARE

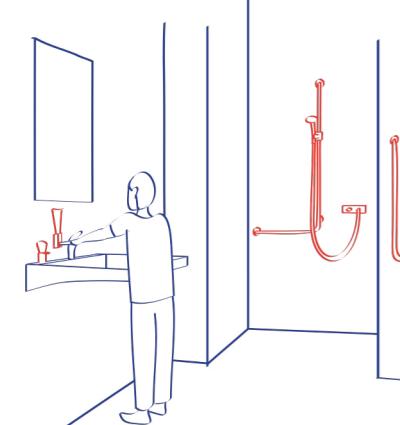
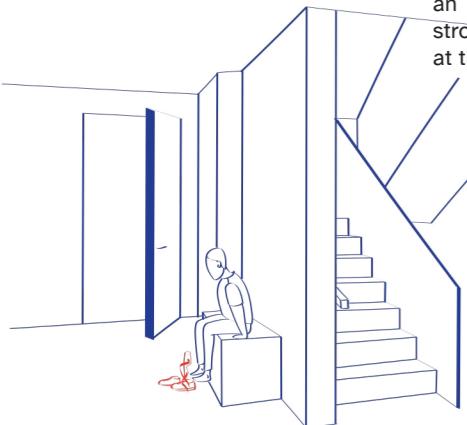
## His Right Side Needs an Extra Invitation

When Ben comes into the house by himself, you can usually hear him before you see him. The rhythmic scrape of his foot orthosis on the tiles - clack, shff, clack - then a soft thud as he drops his rucksack. He sometimes calls his right leg his "favourite leg". It's the one that doesn't always cooperate. His parents smile and say, "That leg just needs an extra invitation sometimes." Ben is eight and had a stroke when he was very young, too young to understand it at the time. Now he explains it like this: "Something broke

in my head. Like a water balloon popping. Since then, my right arm and leg feel kind of numb. I can't feel them properly." At home, there are helpful tools everywhere: a cutting board and an automatic soap dispenser designed for one-handed use, grab bars in the bathroom, and a second handrail on the stairs. Still, Ben stumbles more than other children. Balance is difficult, especially outside, like the playground down the road. That playground is tough for him: steps too high, climbing too wobbly, slides too steep.

Often, he just watches the other children. "I've got better things to do," he says. But his mom knows that he feels left out and unhappy when they run and laugh without him.

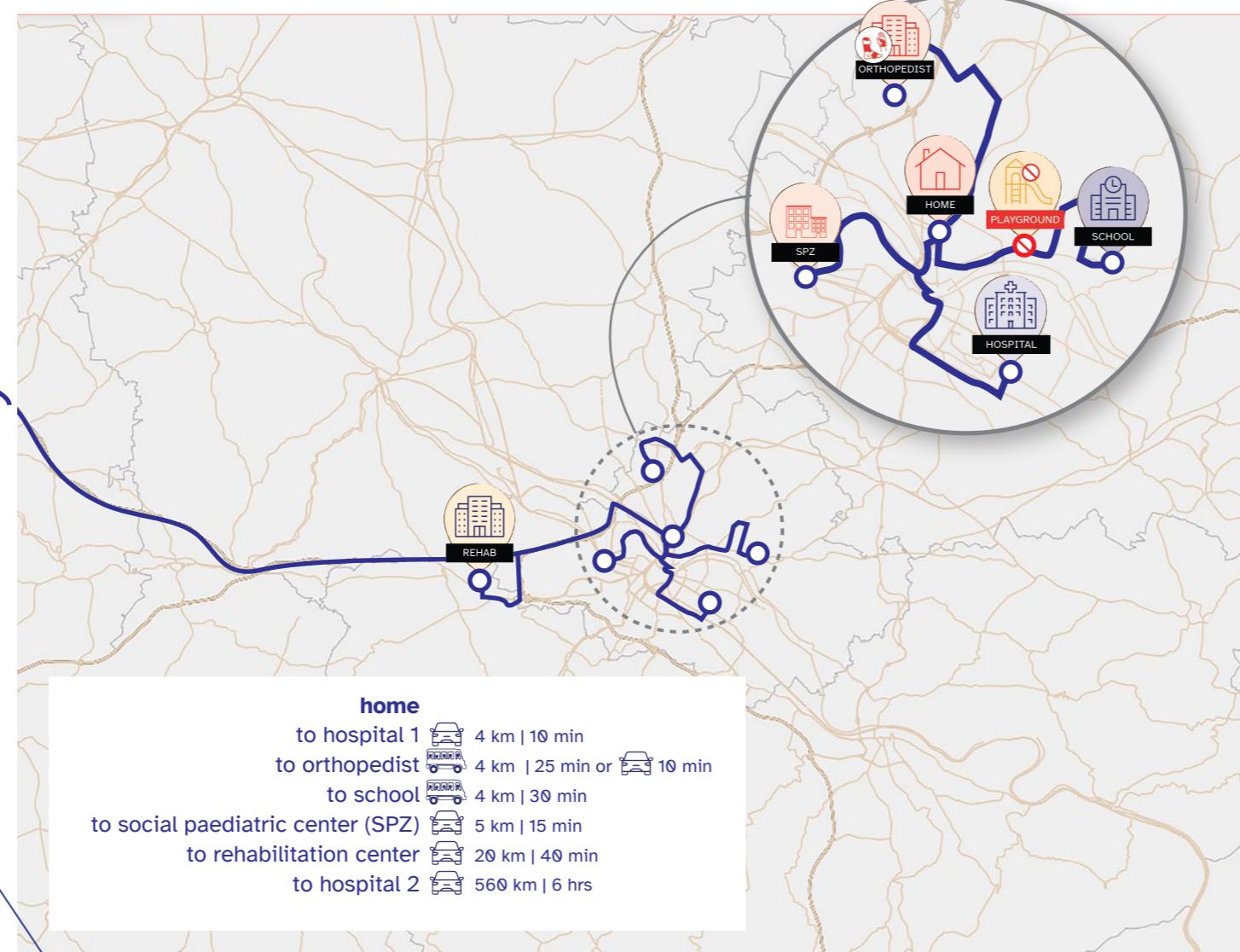
**"Playgrounds are a real problem - even here in our own neighbourhood. He just doesn't want to go any more."** mother



## Lessons and Therapy Go Hand in Hand

Ben is in third grade at an inclusive school. Math isn't his favourite: he likes the numbers but talking about them is difficult. Still, he's proud he can count to infinity. And he does - often while at dinner, trying to grab sushi with his colourful chopsticks. "Ninety-three, ninety-four..." Rice sticks to his fingers. His mom just smiles and quietly wipes soy sauce off the floor. At Ben's school, learning and therapy go hand in hand. Between German class (which he doesn't really like) and physio (which he sometimes loves, sometimes hates), there's often just one corridor. Ben has

hemiparesis, a complicated word. His therapist explains it like this: "Imagine the brain talks to the body - like on the phone. It says, 'Move your hand!' or 'Lift your foot!' But Ben's phone line to the right side is damaged. It crackles, cuts out, or goes silent. So the message don't get through, or are delayed." There are supports in place, but every day is still a balancing act - between focus, fatigue, therapy, and the simple desire to just be a kid.



**"Even getting him to use his right hand at all - to bring it into play - that's something we worked on a lot during rehab, too."** mother

## LEGEND

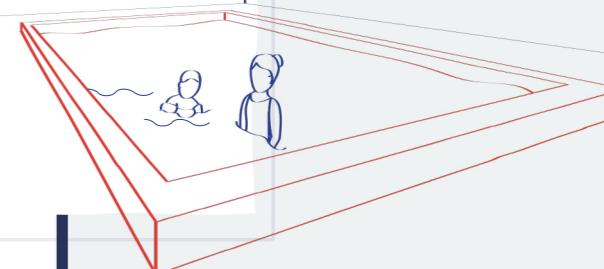
**Situations that for the child ...**

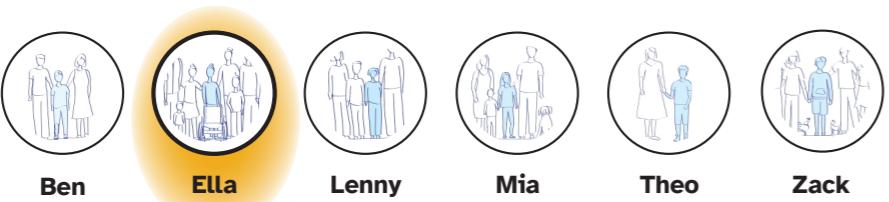
- are impossible
- require help
- require tactics
- allow independence
- are enabling

## ONE-TIME EXPENSES

as example of additional expenses incurred

Second handrail --stairs/ corridor--	3400 -1000
Grab bar --bathroom--	400 -400
One-handed soap dispenser --bathroom--	60
One-handed cutting board --kitchen--	30
Non-slip desk-mat --bedroom--	80
One-handed cutting scissors --other--	40
Foot orthosis --other--	460 -460
<b>TOTAL AMOUNT</b>	<b>€4 470</b>
<b>REIMBURSED</b>	<b>-€1 860</b>





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## PROJECT PARTNERS



# Ella



### PERSONAL

- 12-year-old girl
- Has a twin sister and four other siblings
- The family lives in a terraced house with good access to therapy and support services
- Attends a regular school
- A bit shy, has only a few close friends

#### Likes:

Listening to music alone in her room

#### Dislikes:

Crowded or noisy places

### STROKE

At preschool age  
In the right hemisphere of the brain

This continues to cause

- Left-sided hemiparesis, leg-dominant (uses a wheelchair for longer distances)
- Learning and attention problems

### CARE GIVERS

- Both parents try to balance work and caregiving
- Ella's mother works 30 hours a week
- Ella's father works full-time and sometimes works night shifts so he can take Ella and her siblings to school and be around during the day

Ella's parents are both employed, though her mother had to cut back her hours and now works 30 hours per week. She dedicates several hours every day caring for Ella's special needs, but with five other children it is sometimes hard to give her the attention she needs. She's the one who takes care of therapy sessions for Ella, hospital appointments, and school communications.

With a household income of €49.000 they are just able to manage daily expenses but with a family of eight it is sometimes hard to tend to everyone's needs, especially if they have to make adjustments at home or purchase specialized equipment for Ella.

In total, the family spent around €7.000 on these modifications and devices, with almost everything covered by health insurance. They are currently putting money aside — €2.000 — to install a second handrail on the staircase, so that Ella can move between floors more safely and gain more independence at home.

# LANDSCAPE OF CARE

## Where She Didn't Feel "Different"

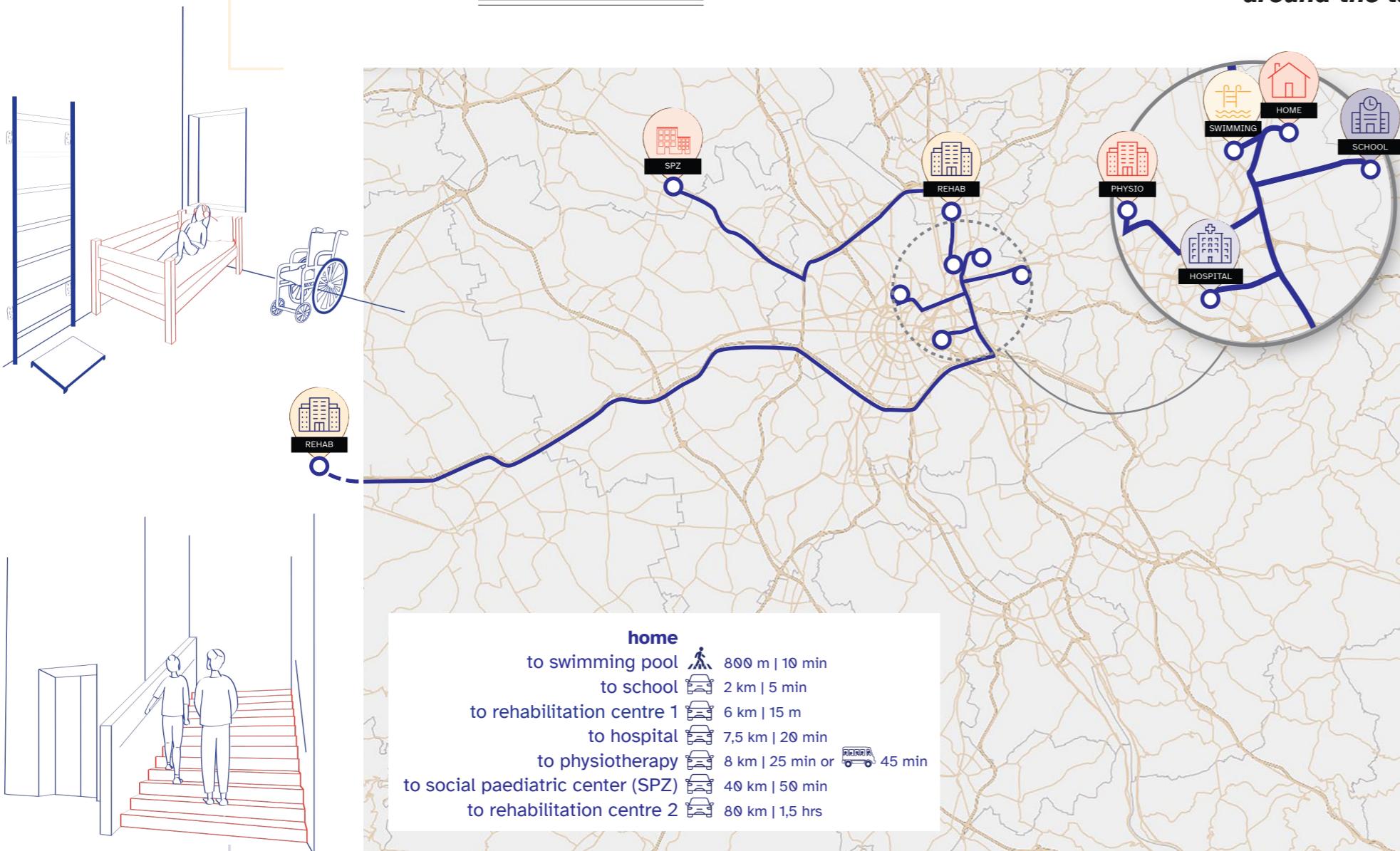
Mother: "During our stay at the rehabilitation centre, we realised how even the smallest door threshold can become an obstacle. Ella had great difficulty entering the treatment room in her wheelchair, especially in the older part of the building. Her hemiparesis affects the left side of her body, including her leg, making longer distances hard to manage without breaks. Our paediatrician had recommended the rehab to help her learn to walk more safely. For the first time, Ella didn't feel "different". There were other children facing similar challenges. In this environment, she could

just be herself, without constantly having to explain her impairment. Still, it wasn't always easy. Her brothers and sisters visited at weekends, bringing some much-needed family joy into an otherwise clinical environment. The therapy sessions demanded a lot of energy and focus, and her attention difficulties made it hard for her to stay engaged. The area outside the therapy rooms was always chaotic - when all the children finished their sessions at the same time, it felt like a crowded train station. The dining hall was overwhelming too, with so many voices, so much

noise. She quickly became overstimulated. There were few places to retreat, and sharing a room with me meant she had little space of her own."

**"This wasn't her first rehab - it's actually been her fourth time now. At the beginning, she really struggled to find her way around the large clinic."**

mother



## Already Exhausting Enough

Father: "I take Ella and her twin sister to school. We drive the same route through the city. They're twelve, but I don't want them taking the school bus - it's already exhausting enough for Ella. I don't want her to feel any pressure or stress. As we enter the building through the automated glass door, we see the teacher, greeting us warmly, joking around, setting a good mood. Ella always jokes that she doesn't want to go to school, but I know she likes it here - much more than at her previous school. The elevator is

already waiting, but I encourage her to use the stairs, just like she did in rehab. Back then, she managed to reach the top floor without help - something we never thought possible shortly after the stroke. Other children rush past, careless, unaware. I can feel how much effort each step takes for Ella. I insist on accompanying her to the classroom. The thought of her falling is unbearable. I don't even want to imagine what could happen. She gets annoyed that I watch her so closely, but I just want to be there - just

in case. Step by step, I help her position her foot correctly, exactly how the physiotherapist taught us. She said that taking the stairs would strengthen the muscles affected by the hemiparesis. And so we practise."

## ONE-TIME EXPENSES

as example of additional expenses incurred

Barrier-free front door thresholds	€140	-140
--entrance area--		
Barrier-free shower (walk-in)	3000	-3000
--bathroom--		
Therapy chair --living room--	3400	-3400
Vibration plate --living room--	200	
Wheelchair --other--	300	-300

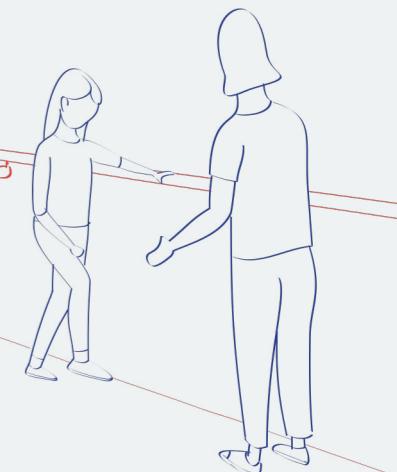
TOTAL AMOUNT €7 040  
REIMBURSED -€6 840

## The Stroke Walks with Her

Mother: "As Ella's mum, I would say the stroke always plays a role in her life. For example, she can't simply go to therapy on her own like others her age might. Ella has physiotherapy twice a week, plus regular check-ups at the children's hospital or the social paediatric centre in a nearby town. Even something as basic as opening the heavy glass door to the therapy building is impossible without help. It becomes even more apparent in the city. There are barely any benches, no places where she can rest when walking becomes too exhausting. She tires quickly, and every step takes effort. Stairs, uneven pavements, long distances are a challenge for her. When I think about it, there's probably only one place where the stroke doesn't play a role: her own room, in her bed."

**"She doesn't always realise it, but sometimes even a small curb or a stupidly placed stone can cause her to fall. She sometimes stumbles from a standing position."**

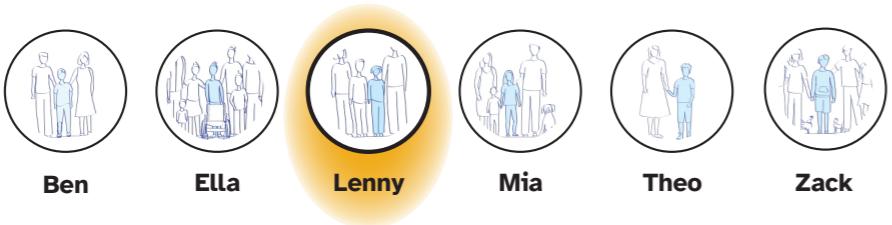
mother



## Situations that for the child ...

- are impossible
- require help
- require tactics
- allow independence
- are enabling

## LEGEND



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## PROJECT PARTNERS



# Lenny



### PERSONAL

- 9-year-old non-binary (they/them)
- Has 1 brother (Tigo: 11), 1 rabbit, grandparents nearby
- Lives in a bungalow
- Attends an inclusive school
- Often joins their parents in bed at night
- Sometimes has difficulty finding their way around

#### Likes:

Swings, swimming, their rabbit

#### Dislikes:

Being alone, hospitals

### STROKE

At 4 months, during heart surgery  
In the right hemisphere of the brain

This continues to cause

- Hemiparesis of left arm
- Visual impairment (partial)
- Visual memory impairment; affects their ability to remember faces or remember a route (so-called 'landmarks' are important)
- The need to take anti-epileptic medication

### CARE GIVERS

- Parents have their own business
- Father works (more than) full-time
- Mother works 60%; usually more but flexibly and often from home
- Grandparents

Both of Lenny's parents have jobs, but Lenny's mother reduced her working hours to part-time to better support their special needs, which takes up about 30 hours each week for dressing, washing and general support in everyday life.

The family's income of around €80.000 allows them to manage their day-to-day life, even though they had to invest in home modifications and special equipment for Lenny.

Altogether, they spent almost €8.000 on necessary changes and equipment, of which almost half were reimbursed by their health and care insurances. Now, they're saving €3.500 to install a climbing frame in the additional room they hope to turn into something of a gym, helping Lenny to exercise and strengthen their muscles at home.

# LANDSCAPE OF CARE

## Nearby, Happy and Increasingly Confident

Grandmother: "As a grandparent, I find comfort in knowing the places where my grandchildren feel safe and happy. One of those places is with us. I don't remember a time when Lenny was without their parents, except for those moments when they're with us. Lenny loves to visit because they get our full attention."

School is of course another exception and a place that is important for them. Therapies, like physio, are integrated at school, as are regular check-ups by doctors from the university hospital. The staff there truly understand how to support such children. With small classes of no more than 8

children and always 2 or 3 teachers present, the environment is less overwhelming for Lenny than when they were in a regular class. They feel confident doing stuff there.

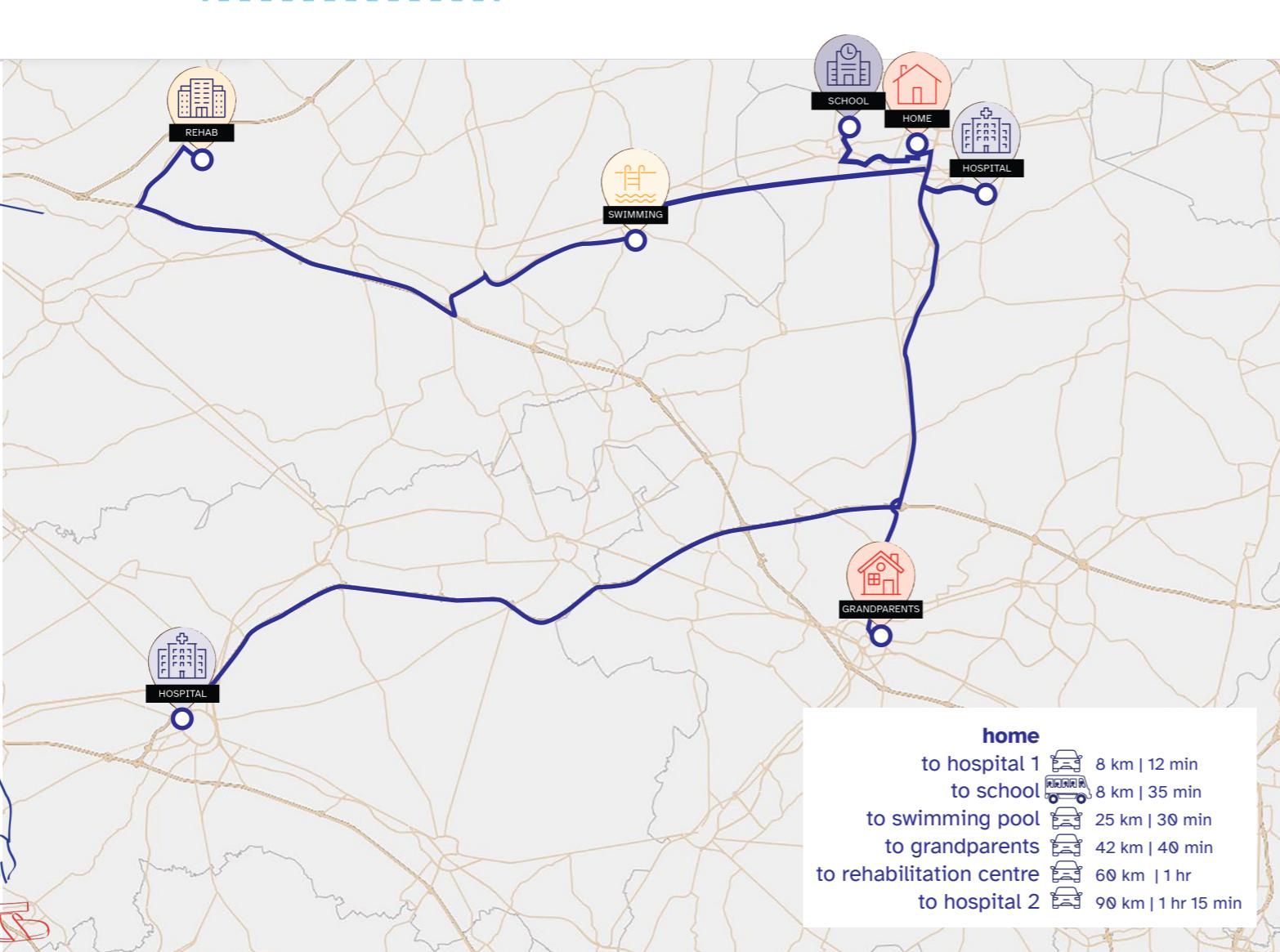
The class and furniture is made in such a way that they can reach things and help each other. Since they started attending this school, Lenny has blossomed. They love going to school so much that even when they're sick, they don't want to stay home. School is something of a second home."

Lenny: "The playground is my favourite place, especially the

swing. I can just keep swinging, and sometimes my parents have to remind me to let other children have a turn. Swinging makes me feel good!"

**"They feel understood and safe there, making it something of a second home."**

grandmother



## Extra Care and Concerns

Mother: "I worry about what could go wrong with Lenny. With our son, it's different—he's healthy, and I don't feel the same concern. Lenny is healthy too, but it's not the same. Everyday we find ways to encourage them. We have to struggle against the effects of paralysis by practising, stretching and massage. Tigo doesn't face the same challenges, and I know he'll be fine. Sure, every child gets sick now and then, but with Lenny, this overprotectiveness remains."

This is reflected in other things as well. Our son for example finds his own way to and from school by bicycle – as long as the weather is OK – while we organise transport by bus for Lenny all year round. Although one of us always tries to join Tigo for his tennis classes, he is quite aware that his sibling constantly gets extra attention."

Lenny: "My mother always helps me with dressing, in the morning, at bed-time, for bath time or when we go swimming. I can't do clothes that go over my head. Also,

shoes are difficult. When we go swimming, I take off my brace."

**"I like going in the water with my dad. I also like going in the shallow pool by myself."**

Lenny

## ONE-TIME EXPENSES

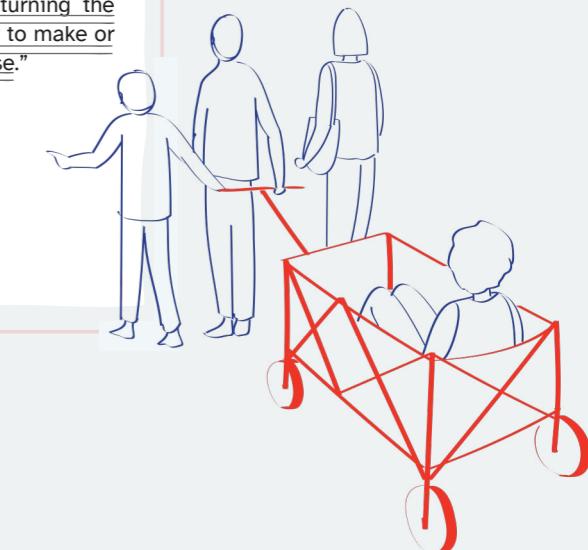
as example of additional expenses incurred

Barrier-free front and back door thresholds	280
--entrance area--	-280
Barrier-free shower	3000
--bathroom--	-3000
Grab rail next to toilet	410
--bathroom--	-410
Arm brace	160
--other--	-160
Tricycle	470
--other--	

TOTAL AMOUNT **€4 320**  
REIMBURSED **-€3 850**

## A Continuous Process of Adjusting

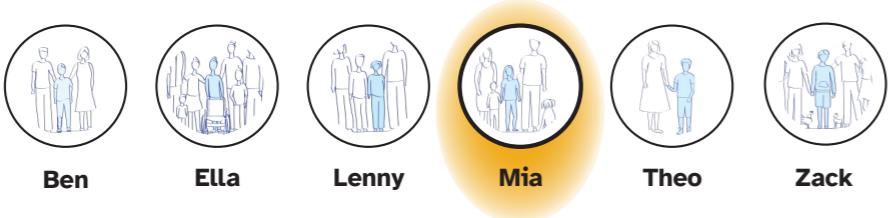
Father: "When they were younger, it was simpler to manage their needs by using a buggy. However, as Lenny grows older, the differences between them and other children become more pronounced and harder to handle. They need help with everyday activities, like making sandwiches. Also hitting a ball with a tennis racket or skateboarding, highlight their struggles with balance, sight and coordination. Initially, after the stroke, there were so many unknowns, and we thought Lenny might need to use a wheelchair. At that time we made our home step-free to ensure easy accessibility. However, more recently we've realized that having steps and stairs could have actually helped with their rehabilitation. Taking Lenny into account – also in terms of the changes we make to our home – is a continuous process of learning and adjusting to support their development and independence. At the moment we are turning the guest room into a kind of gym and we try to make or provide things that can help them exercise."



**LEGEND**

Situations that for the child ...

- are impossible
- require help
- require tactics
- allow independence
- are enabling



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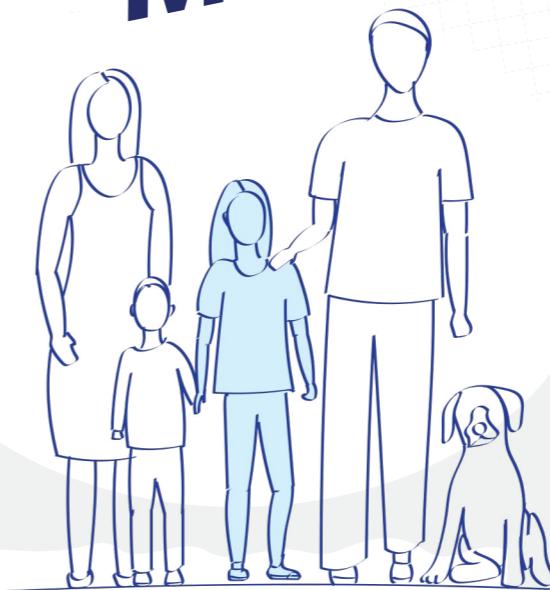
Project period: 2022 - 2025

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## PROJECT PARTNERS



# Mia



### PERSONAL

- 6-year-old girl
- Parents (divorced), brother (4) and family dog
- Lives in a flat with her dad, in a detached house with her mum
- Attends a regular school
- Energetic and curious; highly competitive but quickly frustrated; popular in school

**Likes:**  
Sports, especially soccer; cuddling her dog

**Dislikes:**  
Hospitals

### STROKE

At age 4 (2 years ago)  
In the left hemisphere of the brain

This has not caused any lasting motor impairments or obvious cognitive deficits

### CARE GIVERS

- Both parents work full-time
- High socioeconomic background
- Grandparents

Mia's parents are both working a lot, so Mia often spends time with her grandparents. Her parents are divorced and live separately. She and her brother alternate between staying with their father and their mother.

Luckily with a combined income of around €140.000 the family has enough money to manage their everyday lives easily and her parents are able to finance some extra horse riding lessons (ca. €50 per lesson) for Mia every month.

Since Mia's impairment is not severe, no additional expenses for home adaptions or therapeutic measures are necessary.

# LANDSCAPE OF CARE

## Too Risky

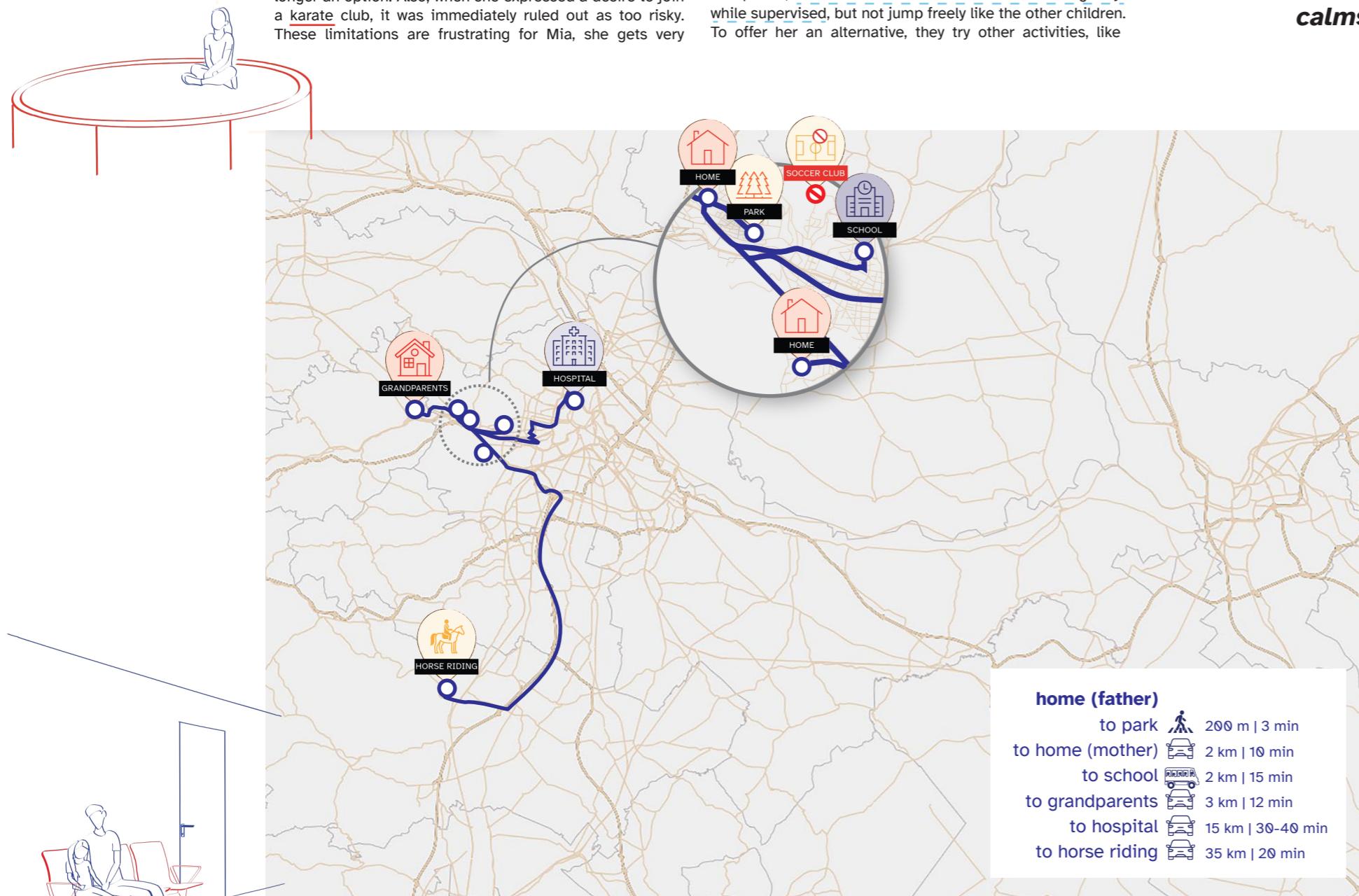
Mia's parents consider themselves very lucky – she has recovered remarkably well from her stroke, with no lasting motor or cognitive challenges. Yet, the fear of another stroke stays with them, shaping every decision they make. Her doctors take strict precautions, restricting her from engaging in most sports. Soccer, which she loves, is no longer an option. Also, when she expressed a desire to join a karate club, it was immediately ruled out as too risky. These limitations are frustrating for Mia, she gets very

upset and her frustration is sometimes hard to deal with for her parents as she starts venting and hitting things at home. She needs an outlet for her anger. They also used to visit trampoline parks. Technically, she can still go, but always under the shadow of her parents' unease. When they visit a friend of hers who owns a trampoline, she's allowed to walk on it or bounce gently while supervised, but not jump freely like the other children. To offer her an alternative, they try other activities, like

horseback riding outside the city.  
Father: "The horse riding is quite expensive, but the contact with the animals calms her, and it gives her something to look forward to twice a week."

**"...the contact with animals calms her"**

father



## Struggling with MRI

Mother: "Since her stroke 2 years ago, Mia already had to undergo several MRIs, and each time was a distressing experience for Mia – and for her dad as well. Until now, she was so young that she had to be sedated and sober for the testing, turning each appointment into an exhausting, hours-long struggle. The process involved long periods of waiting, they often had to sit in the hallway for up to three hours. Mia received contrast medium, was scanned, and then waited again until she fully woke up. If she struggled

with sedation, the situation became even worse, with no private space for care and often no staff available to provide support. It was always a horrible experience for both of them – she hates it so much that she refuses to even enter the hospital. Each visit is a real struggle, requiring extensive emotional preparation long before the day arrives."

**"The process involved long periods of waiting, they often had to sit in the hallway for up to three hours."**

father

## ONE-TIME EXPENSES

as example of additional expenses incurred

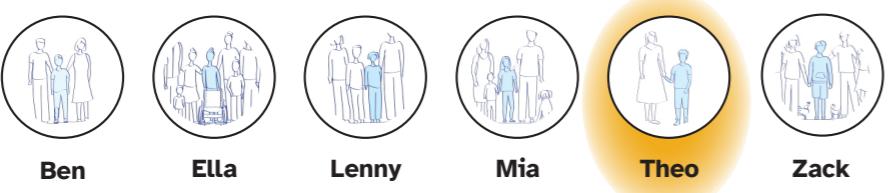
-- NOT APPLICABLE --

TOTAL AMOUNT **€ --**  
REIMBURSED **-€ --**



## LEGEND

- are impossible
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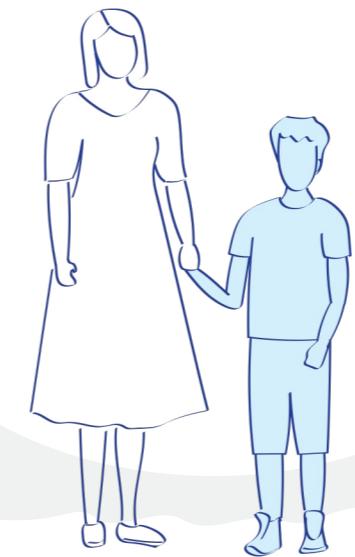
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## PROJECT PARTNERS



# Theo



## PERSONAL

- 10-year-old boy
- Single mum, no further family around
- Lives in a 3rd-floor flat
- Attends a regular school
- Sensitive and thoughtful
- Prefers solitude since stroke, does not want anybody to know about it

## Likes:

Playing on his computer, spending time in his room

## Dislikes:

Drawing, being around too many people

## STROKE

At age 7 (3 years ago)  
In the left hemisphere of the brain

This continues to cause

- Motor impairment (dyspraxia), affecting his right arm and leg
- Visuoperceptive deficits, attentional deficits
- Social withdrawal, anxiety, emotional processing difficulties

## CARE GIVERS

- Theo's mother works around 25 hours per week

Theo's mother struggles to take care of her son and work at the same time; she has no time for herself. He needs around 10 hours of extra care every week for household tasks and personal support. Even though she would like to increase her working hours, with the help and support Theo needs it is not possible since he relies only on her. With an income of €20.000 per year they get by in their everyday life, but there is nothing left at the end of the month.

Theo needed some special equipment that further tightens their budget. In total his mother spent €3.600 on special equipment to make Theo's life easier. None of these things are covered by insurance.

# LANDSCAPE OF CARE

## Gradually Exploring New Areas

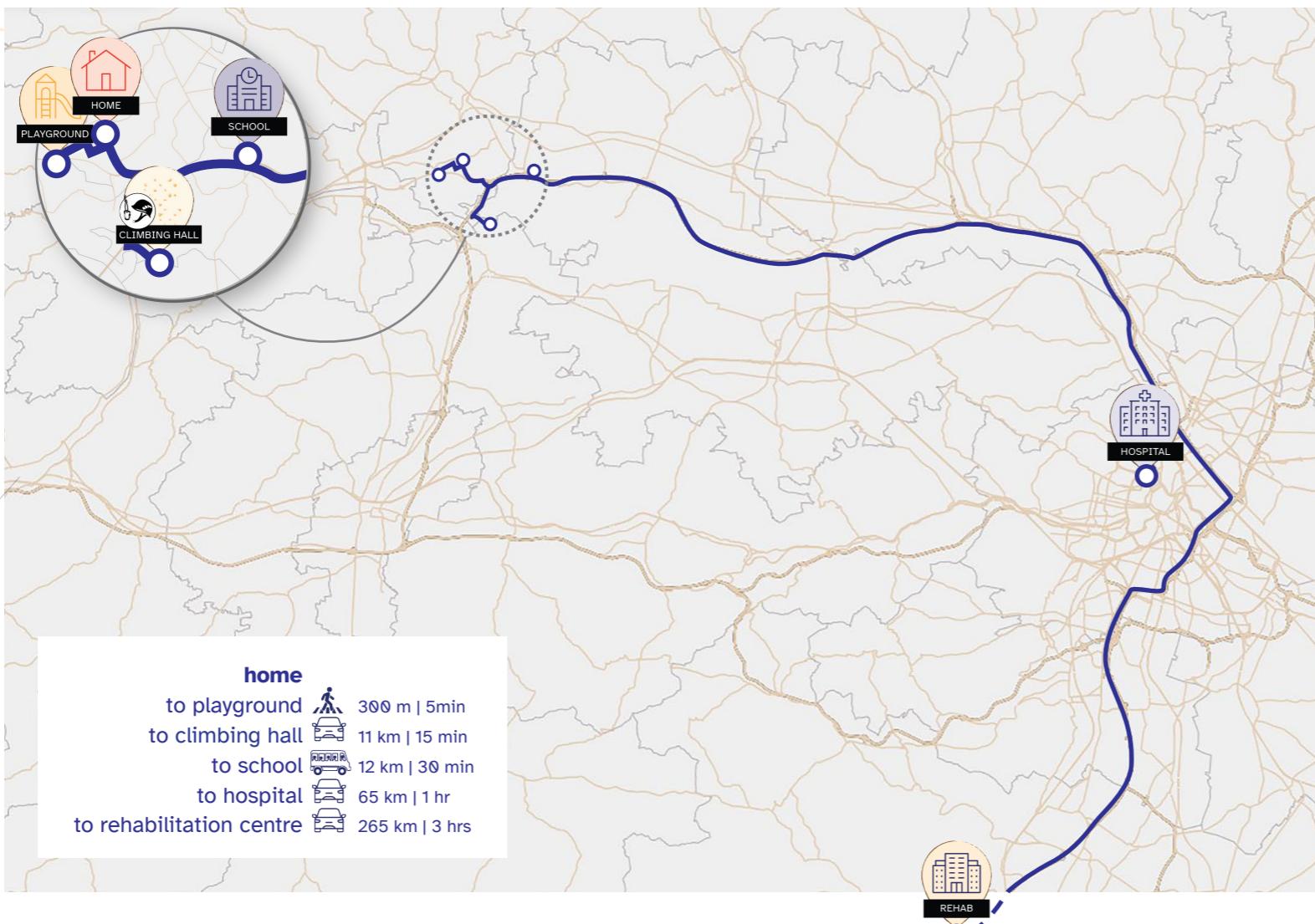
Mother: "Theo loves rehab. It's the only place where he feels confident, curious, and accepted by his peers. As he got older, he became more aware of his challenges and felt increasingly disconnected from other children. But in rehab, he feels a sense of belonging. It felt like an ever-expanding environment – each day in the first year, he was able to explore more of the facility, overcoming one challenge after another. In the first years at the rehab facility, we weren't able to do much. He spent most of his

time lying in bed and needed a wheelchair for assistance. Our room became our castle – I used sheets to turn his bed into a little fortress. As he improved, we gradually discovered new areas. At first, we took short walks in the hallways, down to the lobby and back. Later, we walked outside, where he could experience the textures of different surfaces beneath his feet, surrounded by trees and nature in the summer. And as he recovered even further, we explored the city where the facility was located, visited

restaurants, and treated ourselves with some ice cream. He is looking forward to go back every year."

**"As he improved, we gradually explored more of our surroundings."**

mother



## A Place for Retreat

Mother: "School has been a big challenge for Theo since the stroke. He is in a regular school and can follow lessons well, especially with the support of his assistance teacher. However, he struggles with noise and craves both acoustic and visual privacy. He was always a very sensitive child, but the stroke has made him seek solitude even more – he needs a space to withdraw."

Teacher: "Having a space where he can retreat a little, is super important for somebody like Theo. It means he can stay in class and really get on with his tasks, keeping up

with the other children but at the same time choosing to have time apart from the others."

Mother: "The cuddling corner at school helps him a lot, and his attentive teachers allow him to go there when they notice he is struggling with others or losing focus. Headphones help as well, but what he really needs is a small, sensory-reduced space where he can rebalance."

I have to admit – I need to recharge my batteries too. Our daily life is so packed with appointments and hectic... In rehab, for example, the bathtub that I was kindly

**"... What he really needs is a small, sensory-reduced space where he can rebalance."**

**"I need to recharge my batteries too"**

mother

## ONE-TIME EXPENSES

as example of additional expenses incurred

Bouldering wall --bedroom-- 3500

Therapeutic sitting ball -- living room-- 40

Therapeutic swings -- living room-- 60

TOTAL AMOUNT €3 600  
REIMBURSED -- --

## Situations that for the child ...

are impossible  
require help  
require tactics  
allow independence  
are enabling

## LEGEND



Ben



Ella



Lenny



Mia



Theo



Zack



## BUILDING SUPPORT FOR CHILDREN AND FAMILIES AFFECTED BY STROKE

This persona-set was made in the context of the BUILD CARE research project which received funding from the European Union's Horizon 2020 research and innovation programme under the European Joint Programme on Rare Diseases (N° 825575) and the national/regional funding partner organisations: FWF (Austria), BMBF (Germany) and FWO (Flanders, Belgium). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or national/regional funding agencies. Neither the European Union nor the granting authorities can be held responsible for them.

Project period: 2022 - 2025

[www.buildcare-project.eu](http://www.buildcare-project.eu)

## PROJECT PARTNERS



TECHNISCHE  
UNIVERSITÄT  
WIEN



Technische  
Universität  
Dresden



KU LEUVEN



MEDIZINISCHE  
UNIVERSITÄT WIEN

# Zack



## PERSONAL

- 14-year-old boy
- Family: parents, 1 sister (19), 1 brother (16), a cat, a rooster
- Lives in a row house
- Goes to boarding school Mon.-Fr.

### Likes:

Trains, PlayStation, his electric drum kit

### Dislikes:

Breaks in his routines

## STROKE

Shortly after he was born  
In the left hemisphere of the brain

This continues to cause

- Right-sided hemiparesis
- Cognitive impairment
- Epilepsy (therapy resistant)

Zack also has (not directly  
stroke-related)

- A hearing impairment; has cochlear implant

## CARE GIVERS

- Parents both work 80%
- In their spare time Zack's mother coaches handball, his father is a bee-keeper
- What keeps them awake at night is where Zack will live and who will take care of him in the future

While Zack's parents are both employed, his mother changed to part-time work to provide the roughly 28 hours a week for his special needs and to also have time to care for his siblings, especially when they were younger. Their €87.000 annual income covers their essentials as a family, but they have had investments in home adaptations and specialized equipment for Zack, some of which have not been covered by insurances. Zack goes to a special boarding school which they have to pay for. A care allowance of around €190 per month because of Zack's care level 1 helps to cover these costs. They have spent over €13.000 on special items and home adaptations, receiving around €6.500 back from their health and care insurances. Currently, they are saving around €3.000 to install a second handrail so Zack can navigate his home more independently since they are not sure if they will get reimbursement for this adaptation a second time.

# LANDSCAPE OF CARE

## Adapting the House to Zack's Routines

Mother: "As he got older, bath time upstairs became difficult. We had to think of solutions, and that's when we decided to build a second bathroom downstairs."

Zack: "I like the big shower! It's fun, and it's big enough for me—and even you, Mum! We can fit lots of people."

Mother: "The step-in shower downstairs is much more practical for us. It's made a big difference. We've been fortunate to have enough space in the house."

Zack: "I have lines in the bathroom. I love them! I trace

them with my fingers."

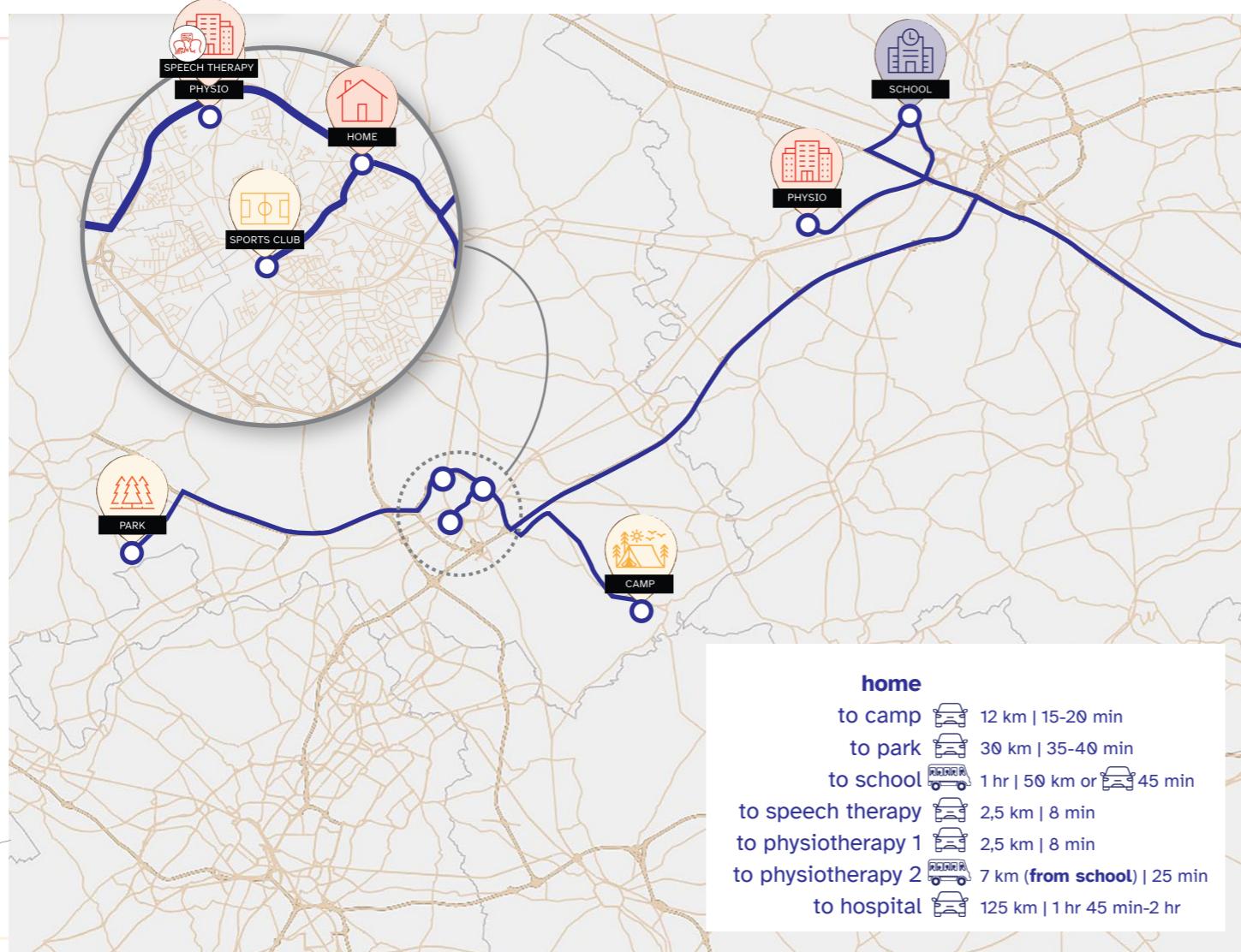
Mother: "The lines are an important part of his routine. The lines help him focus and feel calm, and it makes it easier for me to wash him. At the backdoor we also have lines."

Zack: "Yes, downstairs. When I put on my shoes or take my rucksack. For when I go outside or to the garden to play on the trampoline or with the ball. We have a real goal with a real net. And a rooster in the garden."

Mother: "The trampoline is used in a rather unique way as

playing on it for Zack involves quite gentle bouncing in a sitting or lying down position, often with a ball and one of us there with him."

**"I have lines in the bathroom. They're yellow and white. I love them!"** Zack



## Zack's Footprint: From Kitchen Rails to Forest Trails

"Life with my brother is unique. His trains take over the living room, sometimes extending into the kitchen. Mum moves the coffee table to give Zack space."

My brother stomps his feet and easily gets frustrated. It can be intense, so our parents keep him downstairs for safety, with his toys—often, he's on 'my' PlayStation. He needs a bit of help with this but also has his own tricks to make it work for him. Dad and I focus on other things—I'm often in the attic, Dad has his bee-keeping activities and regularly works evenings. Weekends get busier when he's home from

boarding school, especially if our sister visits. Dad takes him to the forest while Mum jogs, does chores, or takes me to handball matches. The handball club is really an outlet to our family. Zack loves the sports hall, where the big open space lets him see everything during training—throwing the ball, zigzagging obstacles. It baffles me how he can navigate walking on quite a narrow bench there but needs help with something as simple as the toilet at home."

I struggled sometimes with how much attention he needed, so our parents converted the attic into my retreat."

## ONE-TIME EXPENSES

as example of additional expenses incurred

Bathroom with toilet and large barrier-free walk-in shower	10 000
--2nd bathroom--	-4180
Handrail	2250
-- staircase/ hallway--	-2250
Coloured mood lighting	30
--bedroom--	
Special alarm clock	50
--bedroom--	
Furnishings additional room	800
--repurposed--	
Exercise trampoline	490
--outside--	
<b>TOTAL AMOUNT</b>	<b>€13 620</b>
<b>REIMBURSED</b>	<b>-€6 430</b>

## People and Spaces that Support Zack

Father: "We've been to the hospital a lot, a lot: paediatrics, urology, psychiatry, immunology, special dental care ... Currently, we're going about once every 3 weeks. He is terribly afraid of hospitals. The main reason is because he really doesn't like staying there alone overnight. If at all possible, my wife stays with him. For him, it's completely different to his experience of the boarding school."

During weekends at home we go to therapy practices nearby, like for speech and physiotherapy. At boarding school speech therapy is included, but physio we had to organize ourselves. It's not easy to find a good physio in a place where you don't live but at the same time close enough to the boarding school etc. School does help arrange the transport.

What truly helps us hold on as a family are the organizations that tailor their care and the environment in which this takes place to children and young people like Zack. Whenever we can we make use of the programs they offer. He loves it there—it's nearby, and we trust that he's in good hands. During school holidays, he attends their camps, where they combine social activities with therapy. They even have a specially designed garden where you can explore textures and smells through different types of paths and plants – they call this a 'snoezel garden'."



**"I struggled sometimes with how much attention he needed, so our parents converted the attic into my retreat."** brother

Mum says my brother is happiest with just her, Dad, and him at home. Even a visit from our older sister can upset him, making family balance challenging at times."

## LEGEND

- are impossible
- require help
- - - require tactics
- ~~~~~ allow independence
- ===== are enabling