

Insights into first findings from WELLBASED pilot sites



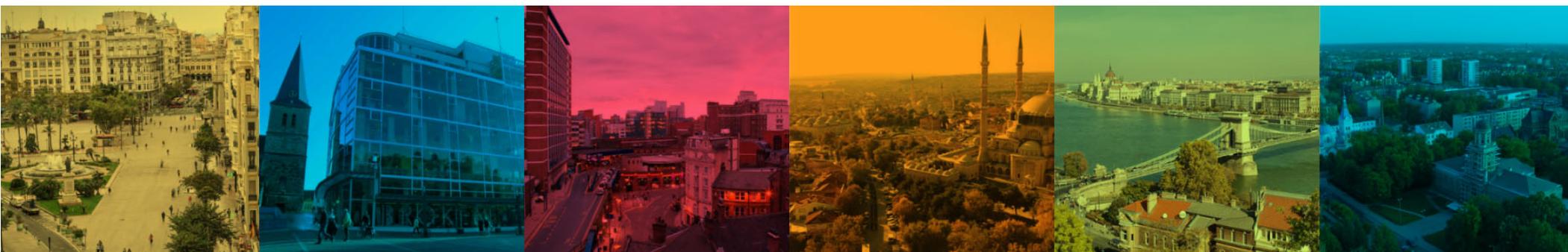
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Funded by the Horizon 2020 Framework Programme of the European Union



Capacity building webinar
December 5th, 2023

Amy van Grieken
Erasmus MC, Rotterdam, the Netherlands





Intermediate analyses

Descriptive findings using the baseline data collected up to september 2023

- Qualitative interviews- will be discussed by Pepa
- Full report available at the WELLBASED website:
<https://wellbased.eu/resources-2/publications/>

Data collected via...

Country code	House code	Group code (IC)	User code

BASELINE QUESTIONNAIRE FOR PARTICIPANTS

Instructions for completing this questionnaire

- Please answer all the questions, even if they seem to be the same; these questions help us to view the situation again from a different perspective.
- Please tick one answer per question, if it is possible to tick more than one answer, this will be mentioned for this specific question.
- Please answer the questionnaire with a blue or black pen.
- You may ask the help of a relative or friend to help you complete this survey.
- When you are done, please check that you have not forgotten any questions.

Making a mistake

If you select a wrong box and want to correct, colour the wrong box black. Example: you are female

What is your gender?

Male

Female

You select a wrong box and want to correct.

What is your gender?

Male

Female

Corrected that you are female.

Text or numbers should be filled in within the box.

How many cups of coffee did you drink yesterday?

Correct

Wrong

WELLBASED

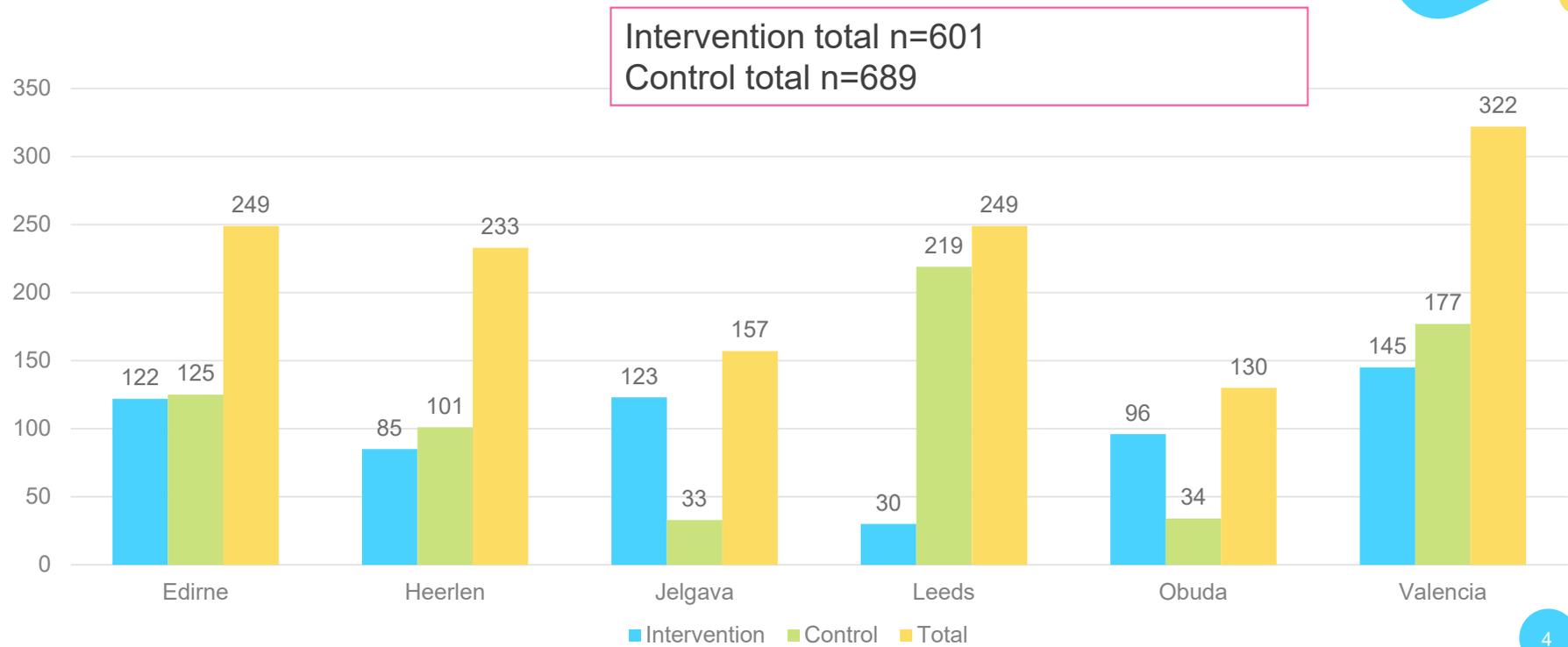


Intervention group only



+ sleep survey

Participants n=1340





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Baseline questionnaire

Intervention + control group



Country code	House code	Group code (VC)	User code

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Example: you are female

What is your gender?

- Male
 Female

You select a wrong box and want to correct.

What is your gender?

- Male
 Female

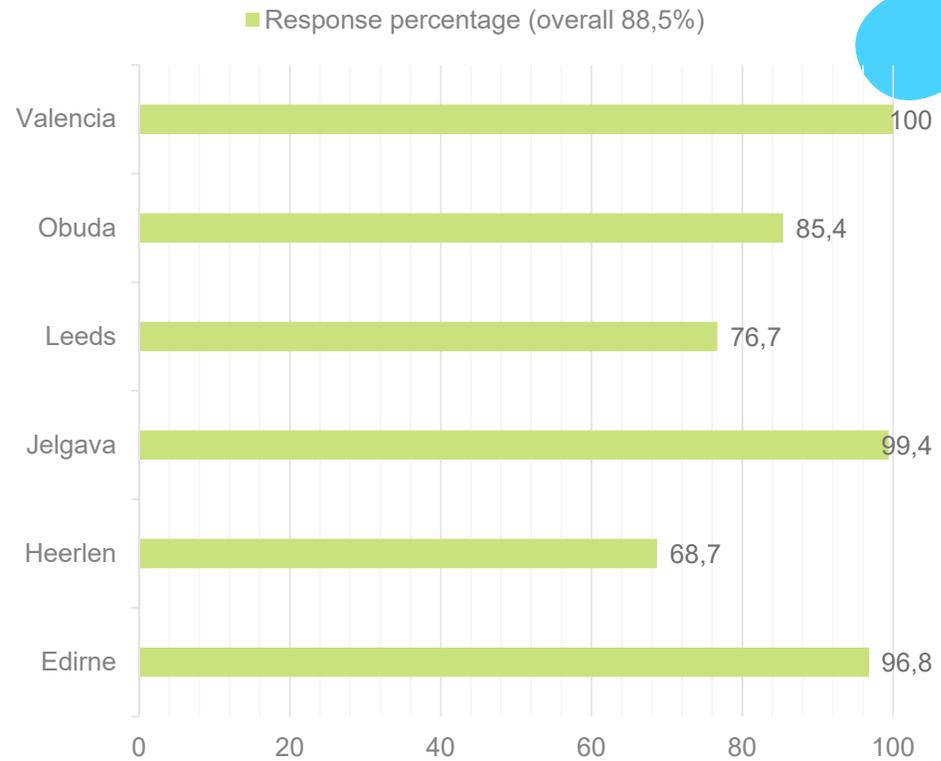
Corrected: you have now answered that you are female.

Text or numbers should be filled in within the box.

How many cups of coffee did you drink yesterday?

Correct Wrong

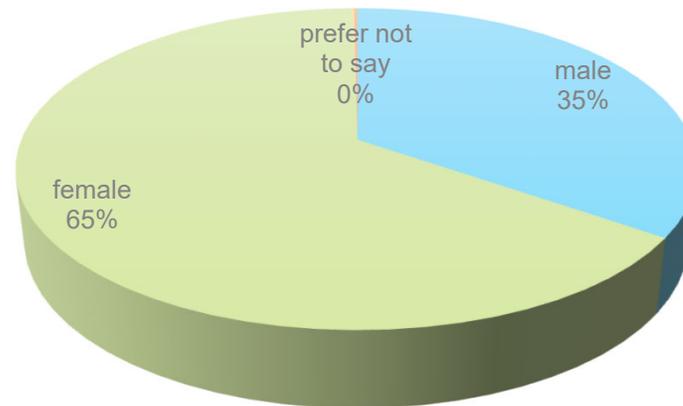
WELLBASED



Who participated?

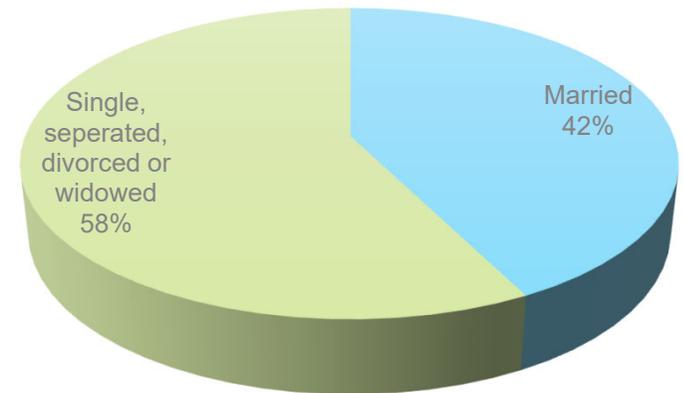


Gender

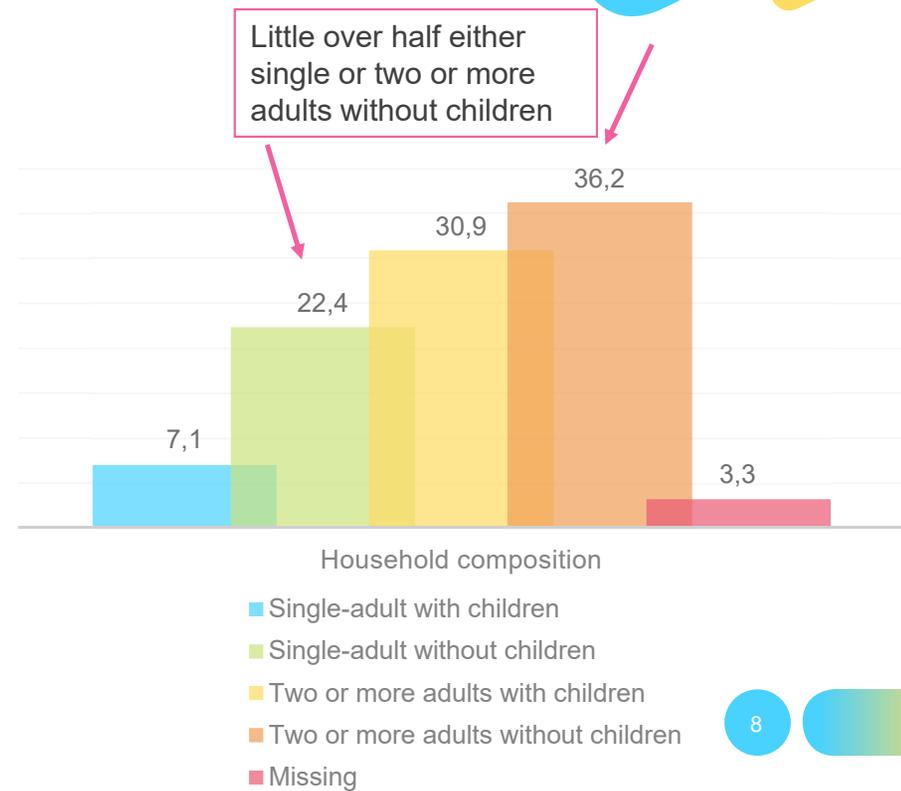
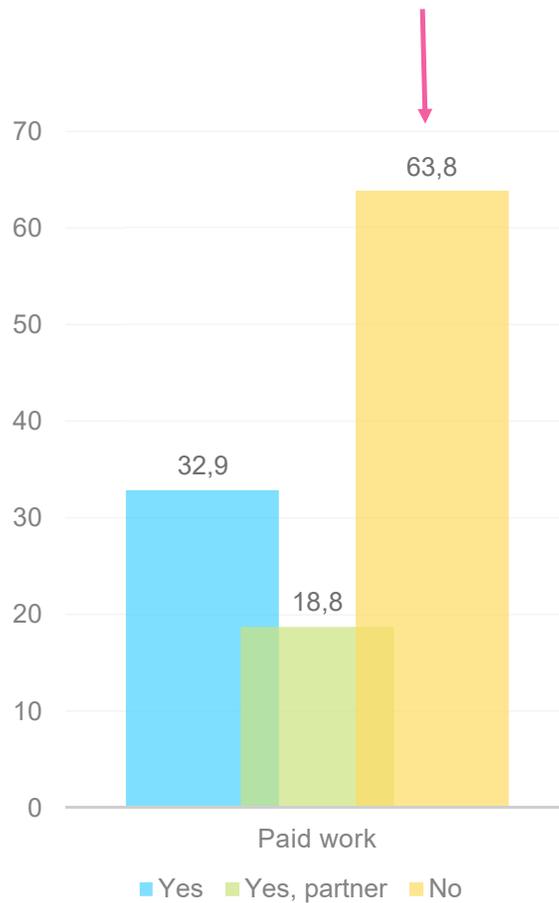
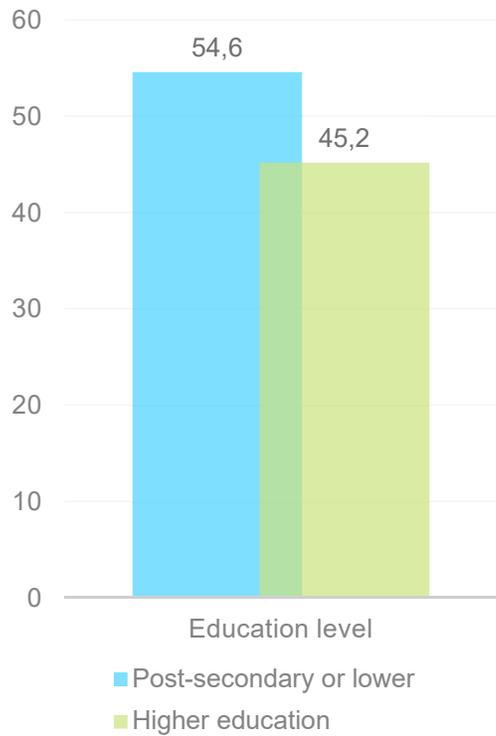


■ male ■ female ■ prefer not to say ■ missing

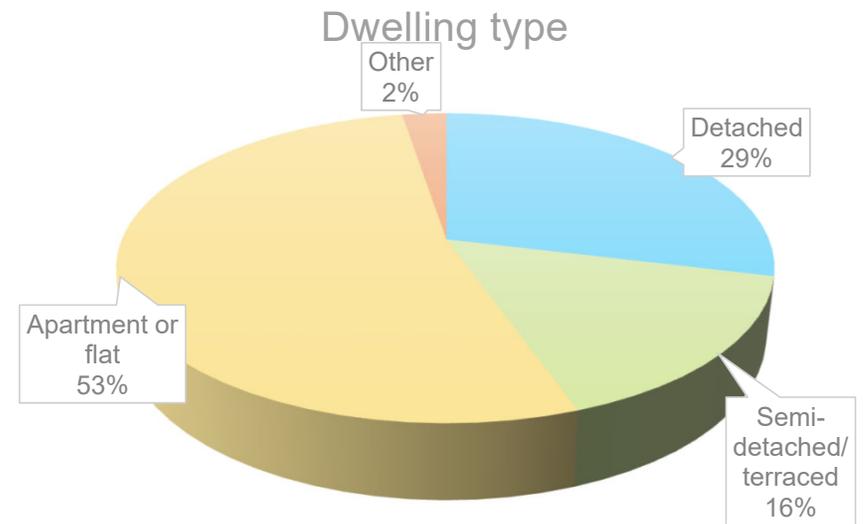
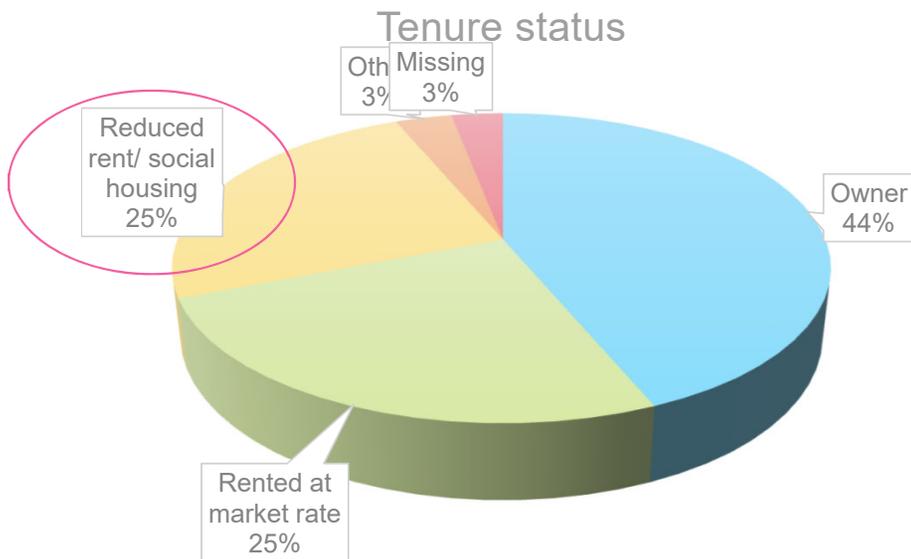
Marital status



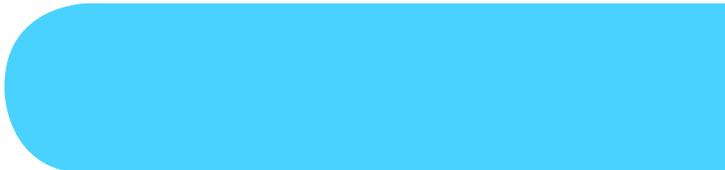
■ Married ■ Single, separated, divorced or widowed



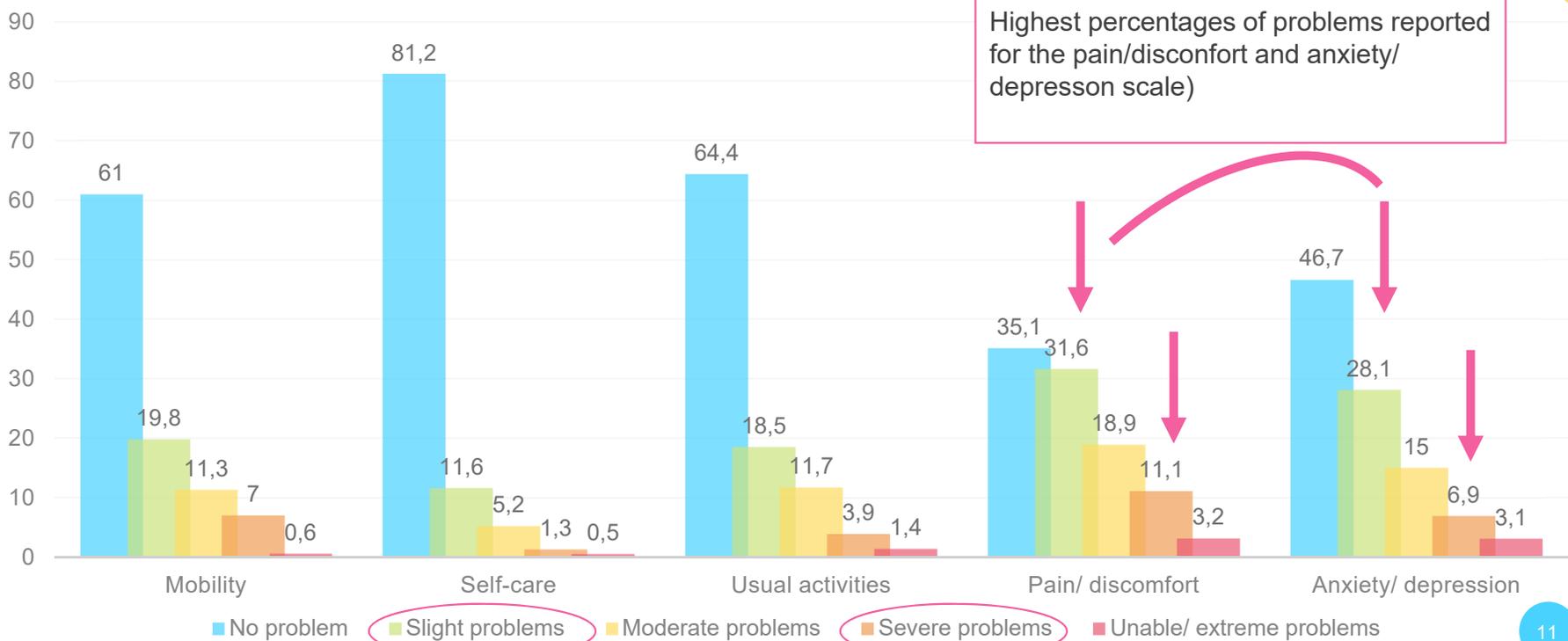
~comparable numbers of home owners and renters



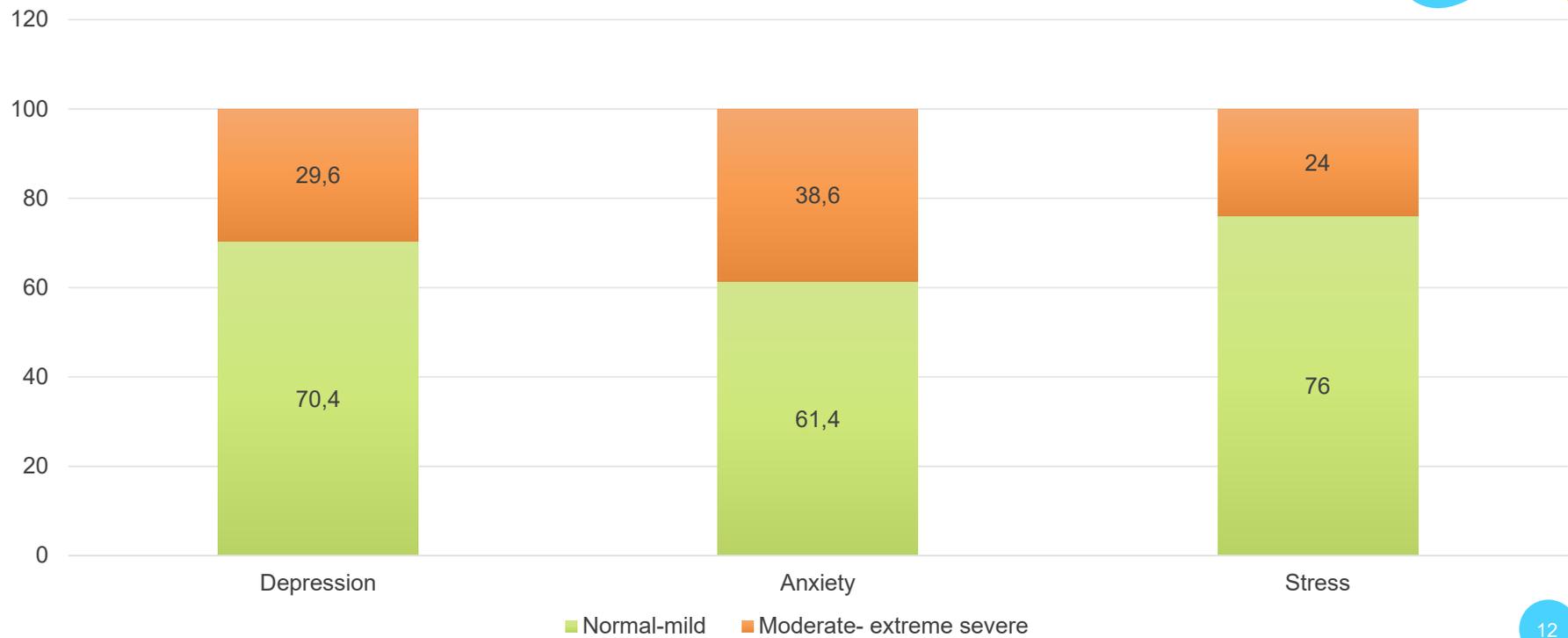
Health and well-being



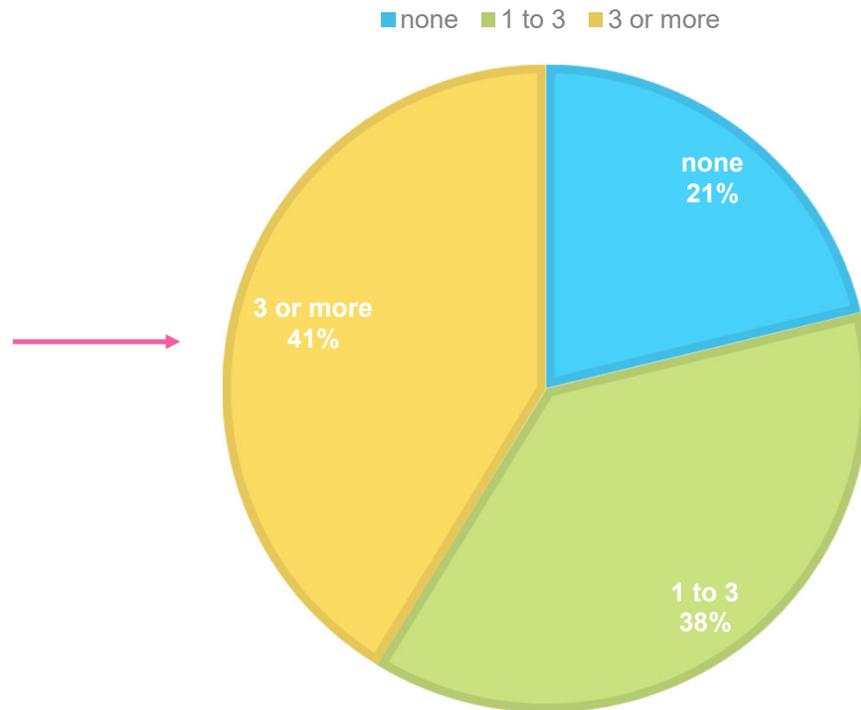
Health-related quality of life (%)



Mental health and well-being (%)



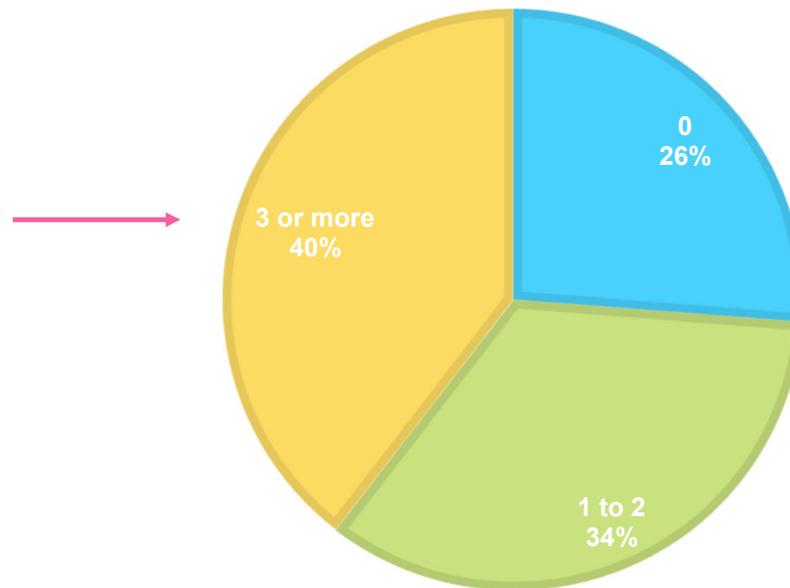
Chronic conditions



Health care use

VISITS TO THE PHYSICIAN IN THE PAST 12 MONTHS

■ 0 ■ 1 to 2 ■ 3 or more



Older participants health

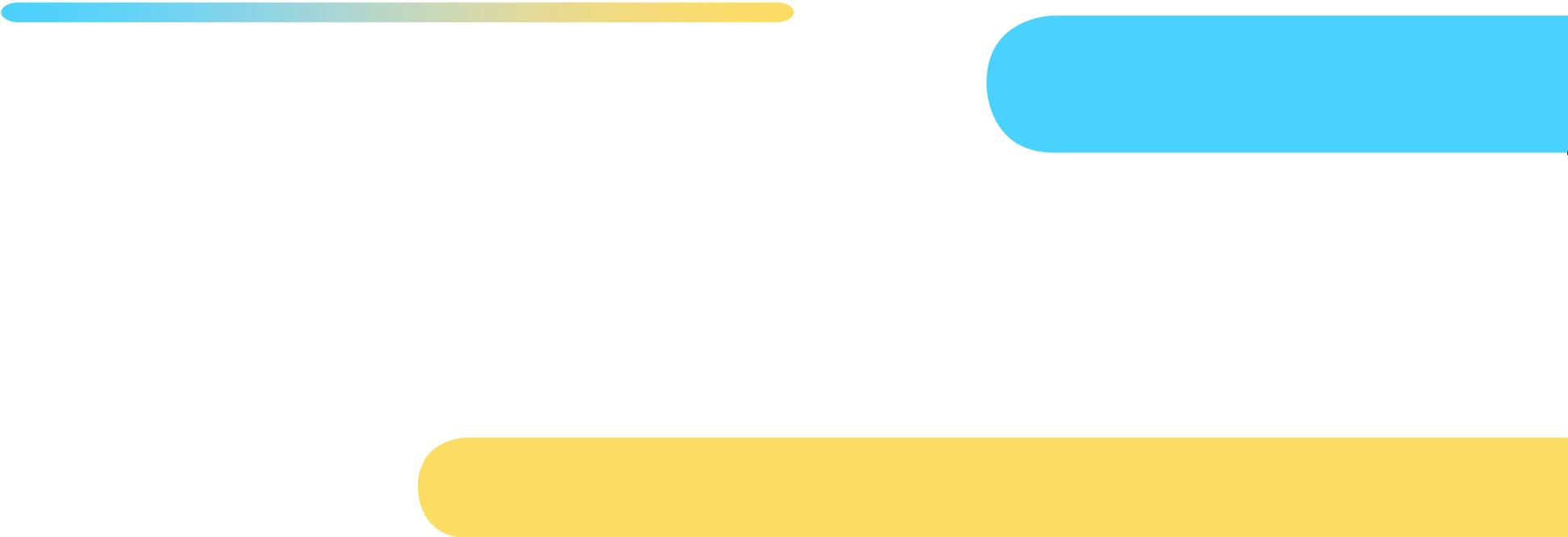
FRAILITY 65 YEARS AND OLDER (N=210)



ADL: activities of daily living

iADL: instrumental ADL's such as cooking, preparing food

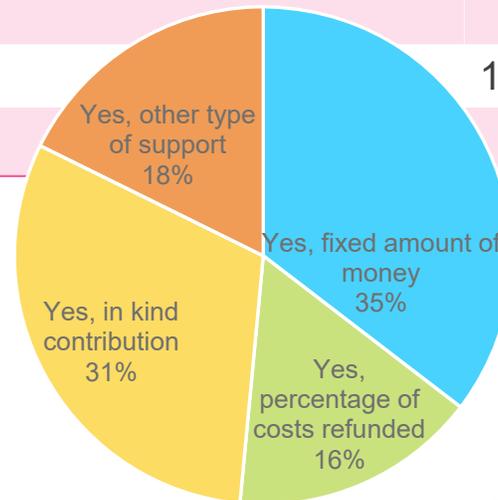
Energy consumption, energy coping



Energy sources (any)

Source	Use* (n (%))	Consumption** (mean, sd)	Costs € (mean, sd)
Electricity	1030 (94,2%)	353,9 (861,1) kWh	123.18 (959.18)
Gas	392 (35,9%)	267.5 (1397.8) m3	209.40 (571.15)
Derived heat/ district heating	137 (12,5%)	54.3 (51.4) kWj	97.22 (109.99)
Other	331 (30,3%)	n/a	19.32 (28.64)

* Any source
 ** Missings electricity n=203, gas n=203, derived heat n=122



Did you receive support towards your energy bills?

Energy poverty indicators (%)



Coping strategies (%)



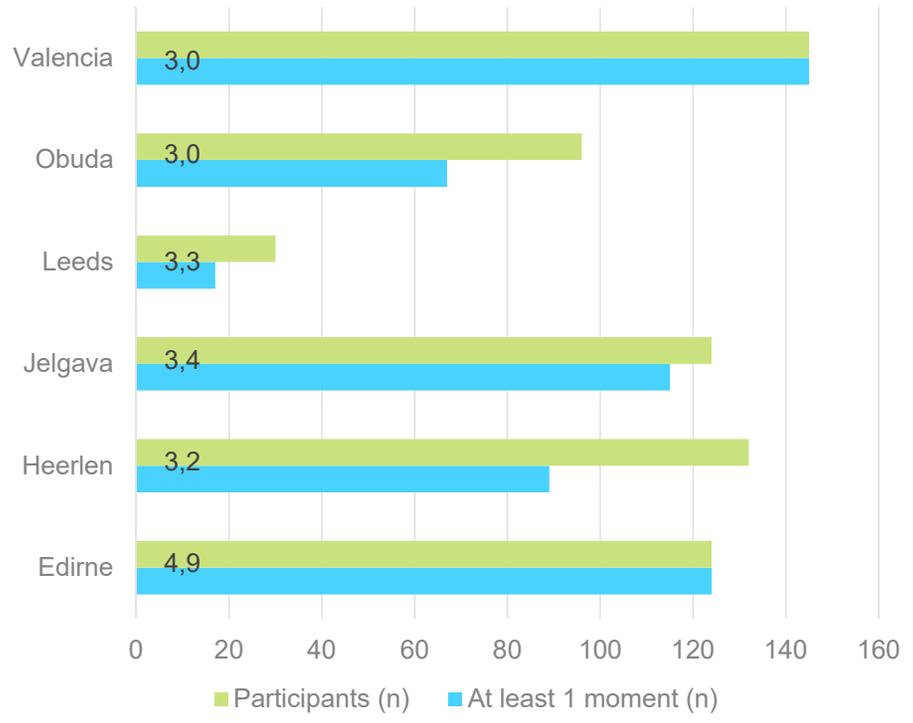


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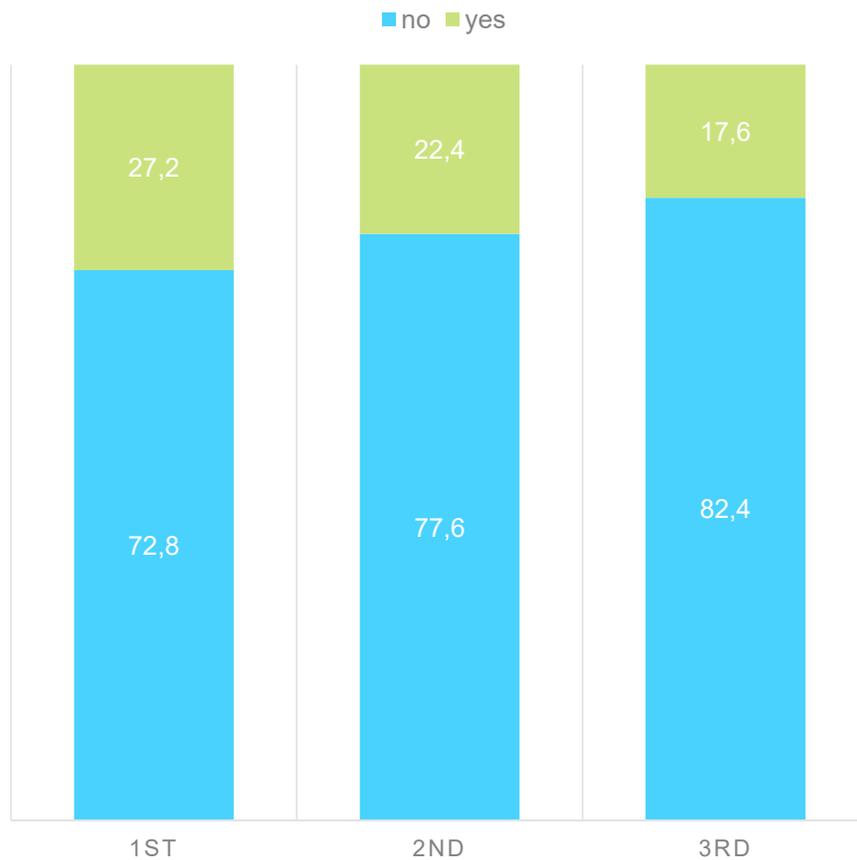
Health monitoring

Intervention group only



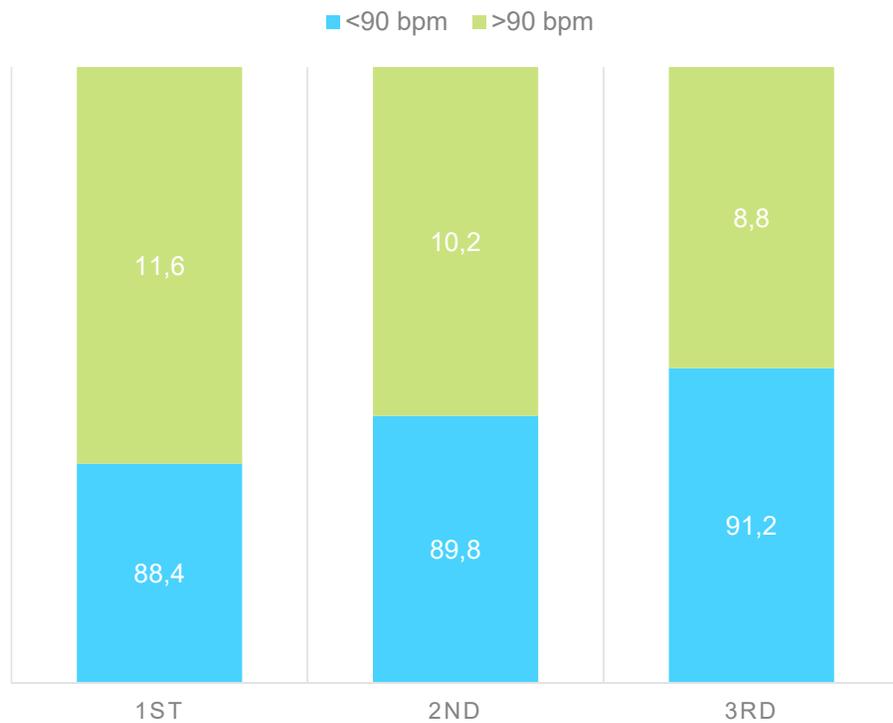


~20% hypertension



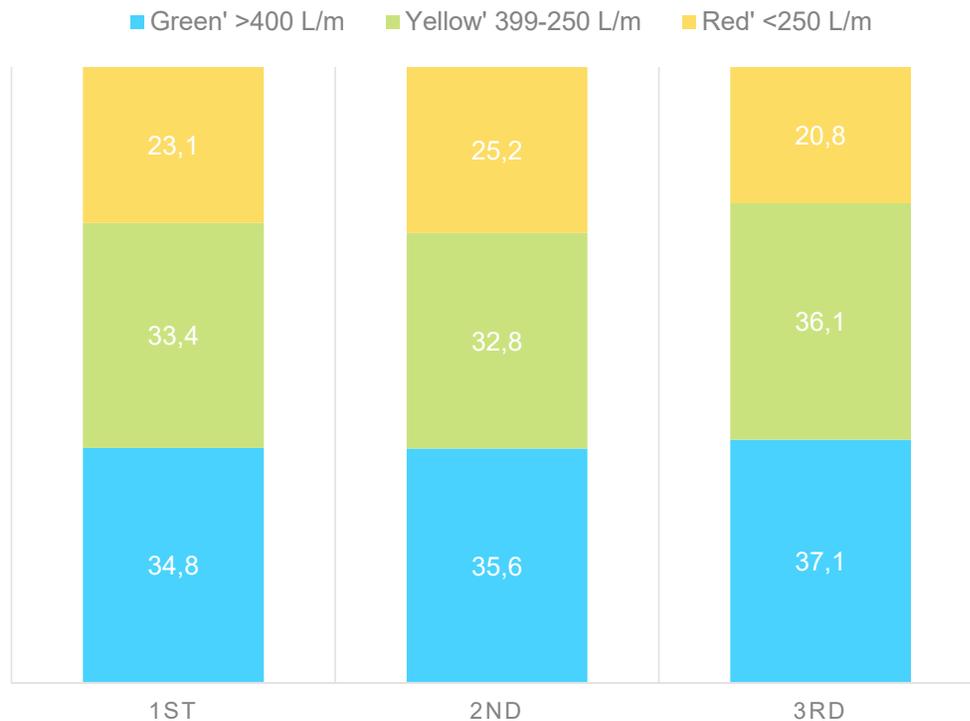
	1 st health monitoring (n=557)	2 nd health monitoring (n=477)	3 rd health monitoring (n=477)
Average systolic blood pressure (mmHg), mean (SD) ^a	128.4 (19.4)	124.9 (18.9)	123.1 (18.2)
Average diastolic blood pressure (mmHg), mean (SD) ^a	81.1 (11.4)	80.5 (11.1)	79.6 (10.9)

~10% Tachycardia >90 bpm



	1 st health monitoring (n=557)	2 nd health monitoring (n=477)	3 rd health monitoring (n=477)
Heart rate (bpm), mean (SD)	78.0 (12.5)	77.5 (12.4)	77.4 (12.3)

~23% 'red' zone of peak flow*

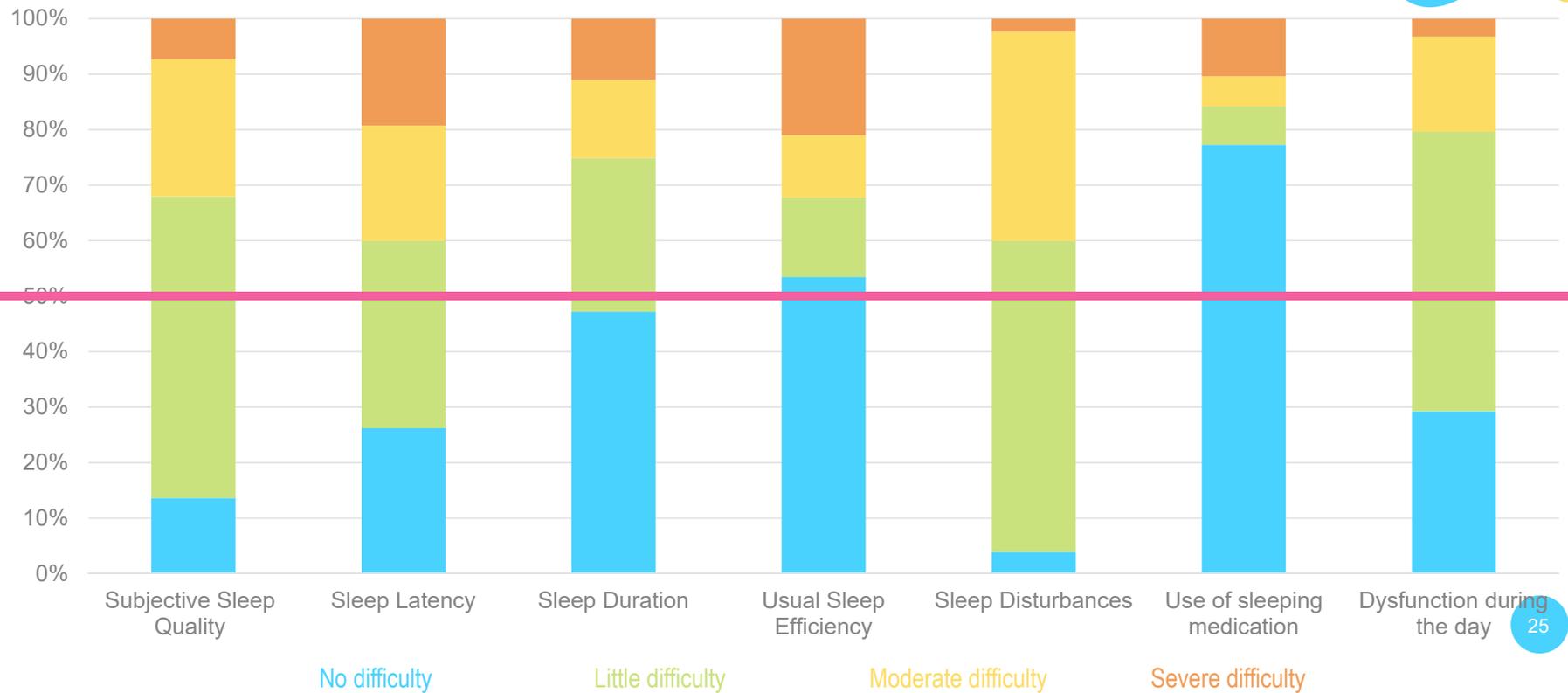


	1 st health monitoring (n=557)	2 nd health monitoring (n=477)	3 rd health monitoring (n=477)
Global L/m, mean (SD)	347.2 (168.6)	354.5 (173.9)	358.0 (173.7)

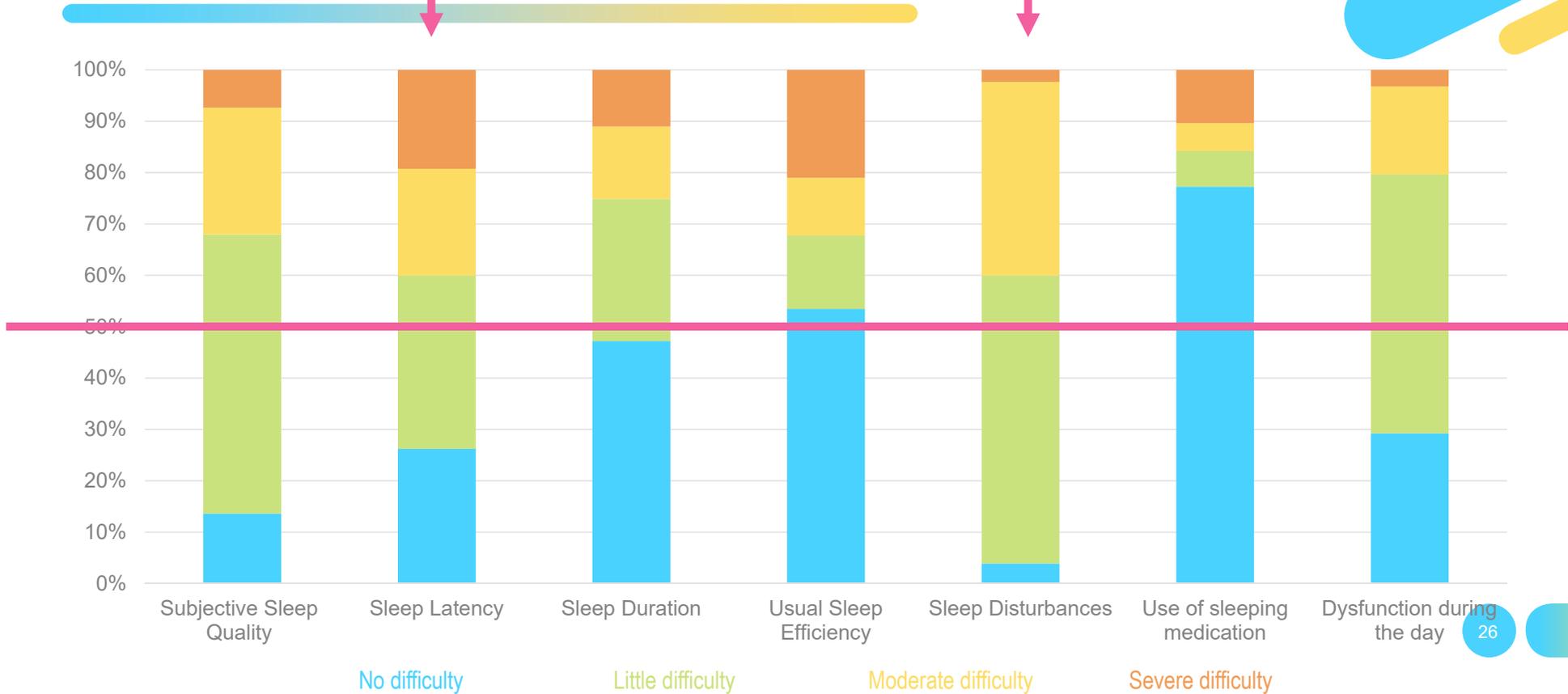
* which is essentially the exhalation rate, or the amount of air that you can breathe out in one breath.

Sleep quality

Large % report severe difficulties, but also large % report no difficulty



About half reports no to little difficulty and about half report moderate to severe difficulty



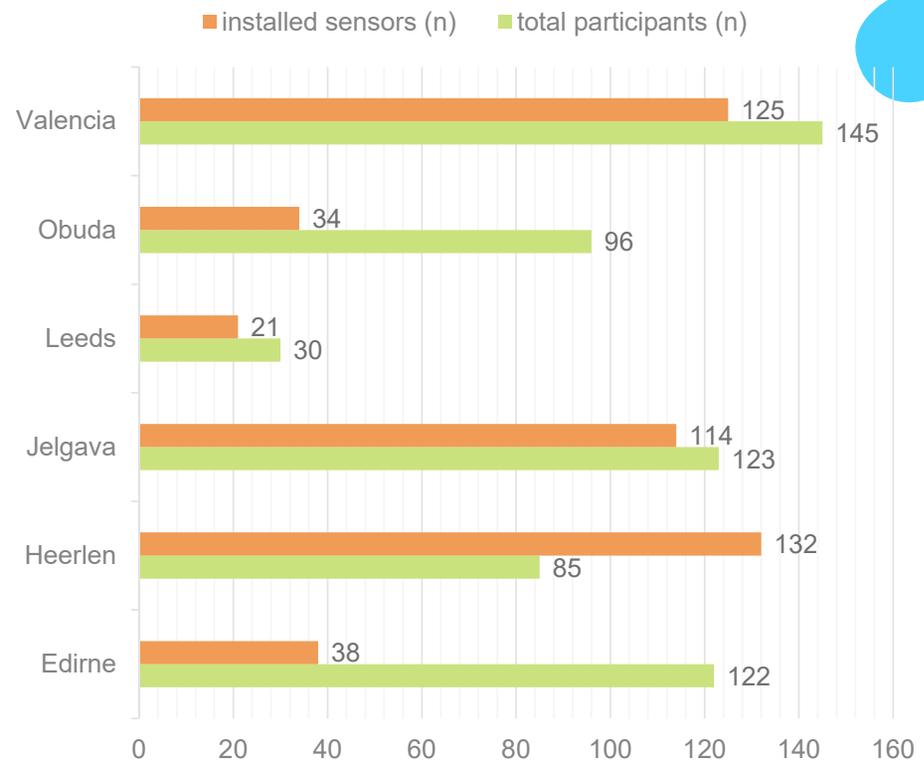


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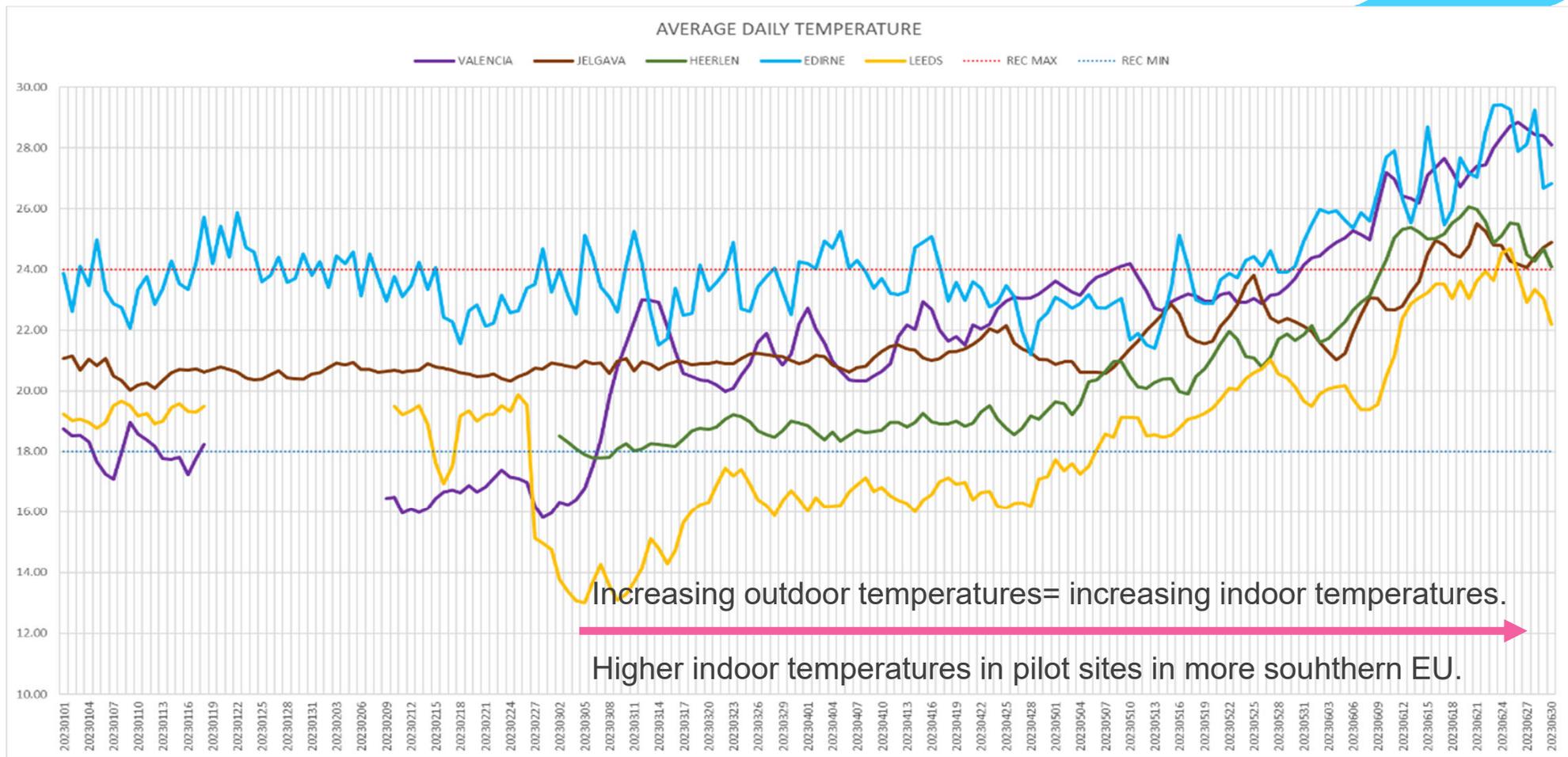
Home sensors

Intervention group only

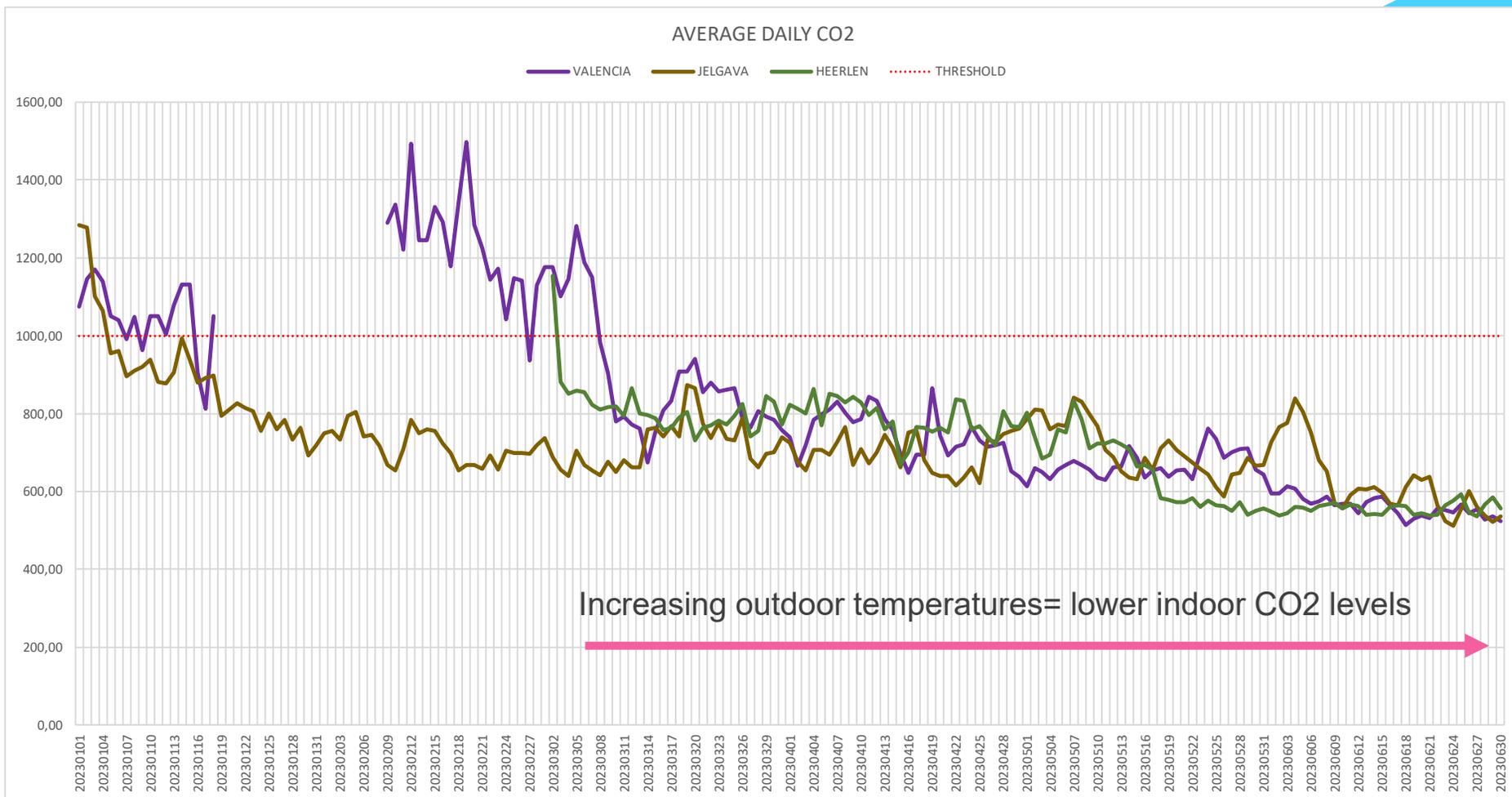




Daily temperature over all households



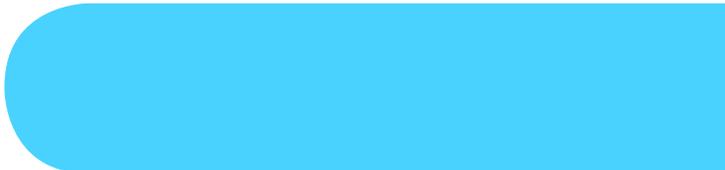
Daily CO2 levels over all households



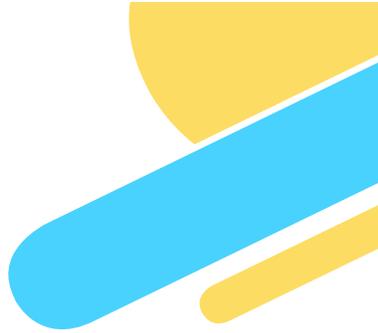
Key take aways



Descriptive findings from baseline data collection



Summary of key findings



- Participants experiences mental health problems, such as feelings of depression or anxiety (~30%)
- Participants report >3 chronic conditions (~40%)
- The doctor is visited >3 times in the past year (~40%)
- Intervention group: Hypertension and limited peak flow is recorded by about a fifth of our participants
- The participants live in houses with damp/leak present (~60%), uncomfortable in summer (~70%) and are not satisfied with their house (~60%).
- Arrears on the utility bills are common (~50%)
- People were coping by wearing extra clothes, turning of heating or lightning (~55%)

Next steps



- Despite challenges significant participation achieved and valuable data collected, continue the great work
- Future analyses combining data and studying associations between energy poverty and health over time including the impact of the interventions comparing control and intervention group outcomes
- Pilot-site differences need to be taken into account
- Monitoring of interventions offered to those in the intervention group, to be able to interpret findings
- Combine with insight from the qualitative work



Questions?

- Full report available at the WELLBASED website:
- <https://wellbased.eu/resources-2/publications/>



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Thanks

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