

MIND *er*

PERSONALIZED MEDICAL TRACKING

PERSONA BACKGROUND

Chronic diseases
Aging impairments
Aging in place

CAROL





COVID IMPACTS

Isolation Depression Dementia

CAROL

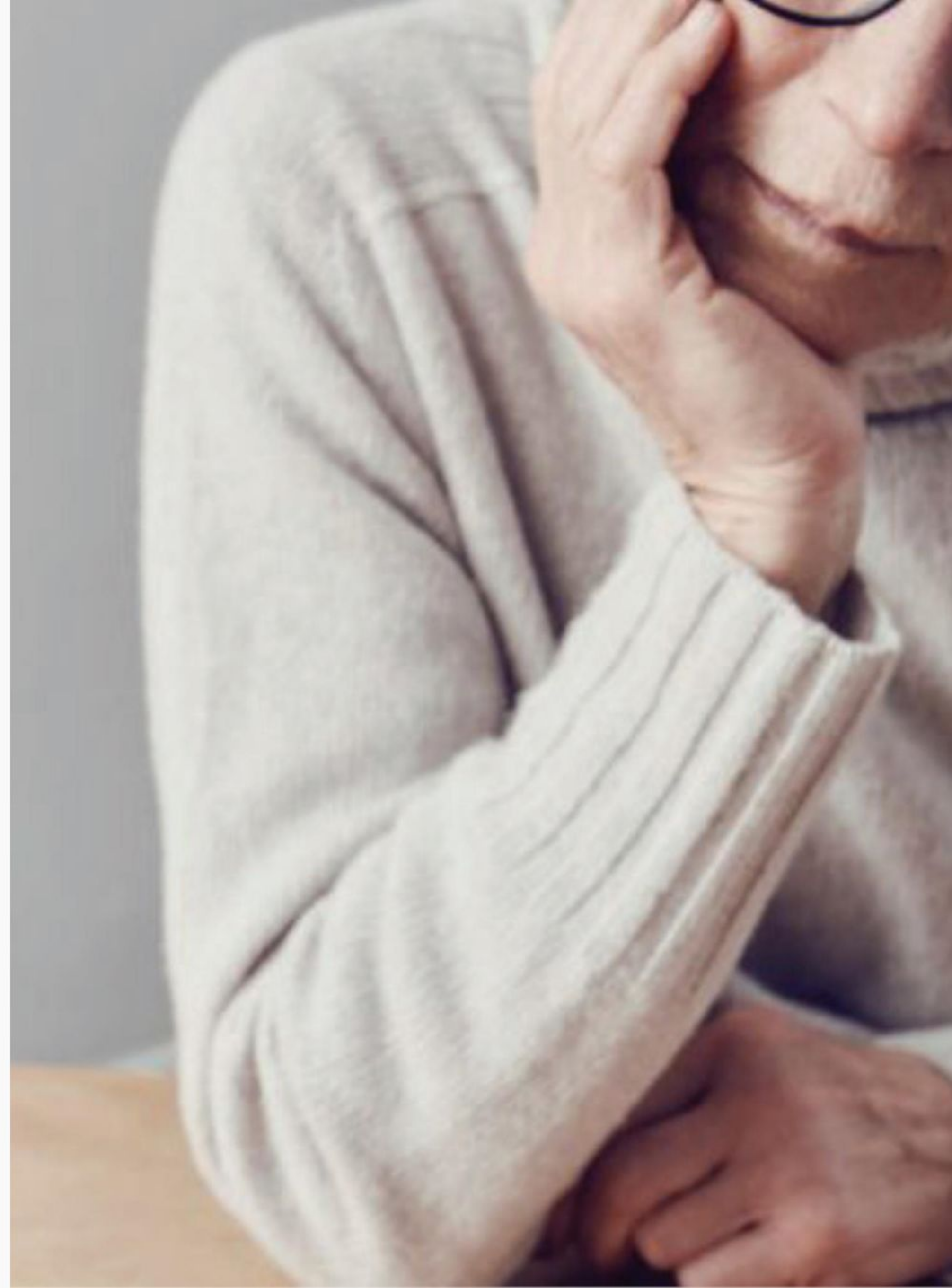
MAJOR NEEDS

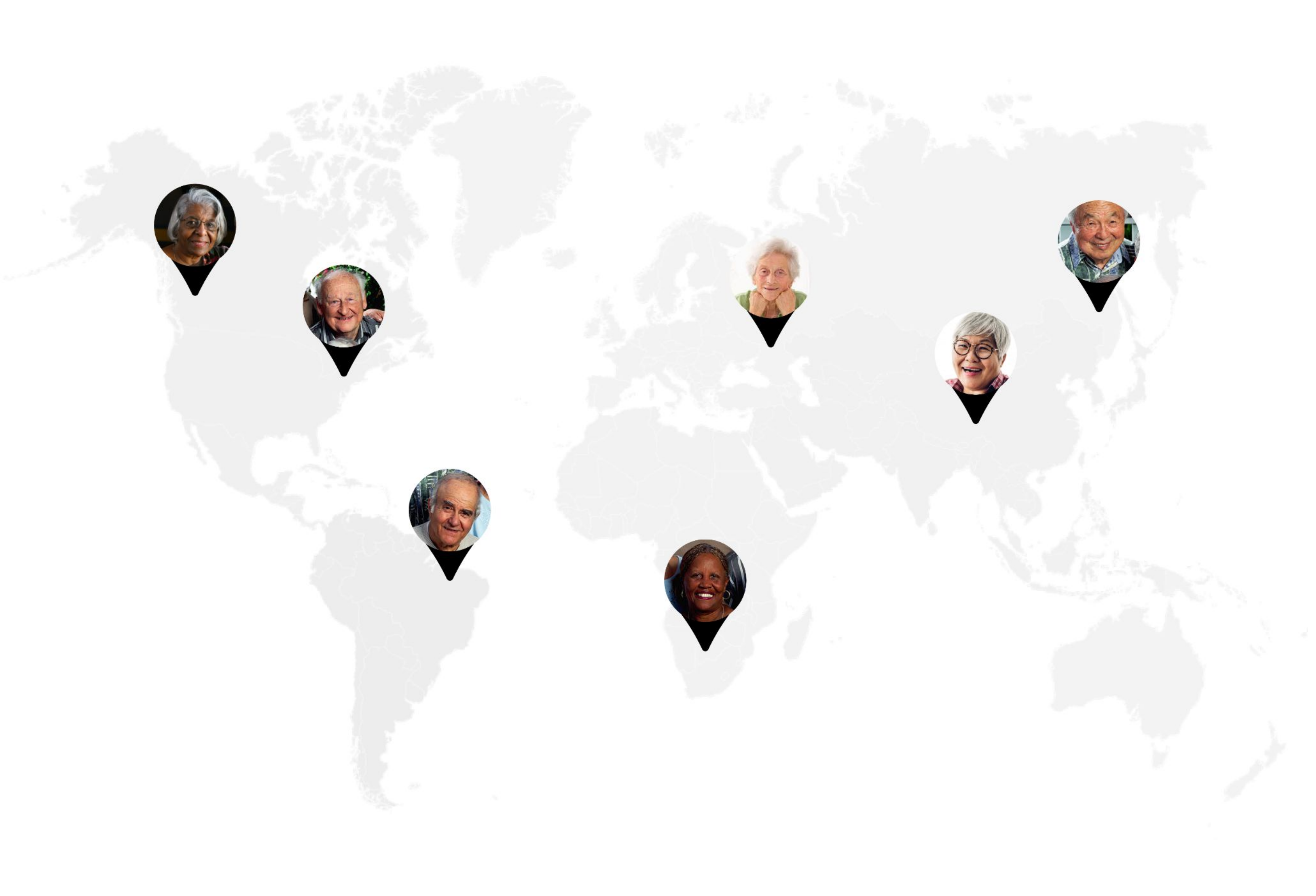
Maintaining independence

Continuous monitoring
by doctor and family

Medical Tracking

CAROL





THE PROBLEM

54 million

ELDERLY IN THE U.S.

85%

OF OLDER ADULTS

have at least one chronic disease

(NATIONAL COUNCIL ON AGING STATISTICS)

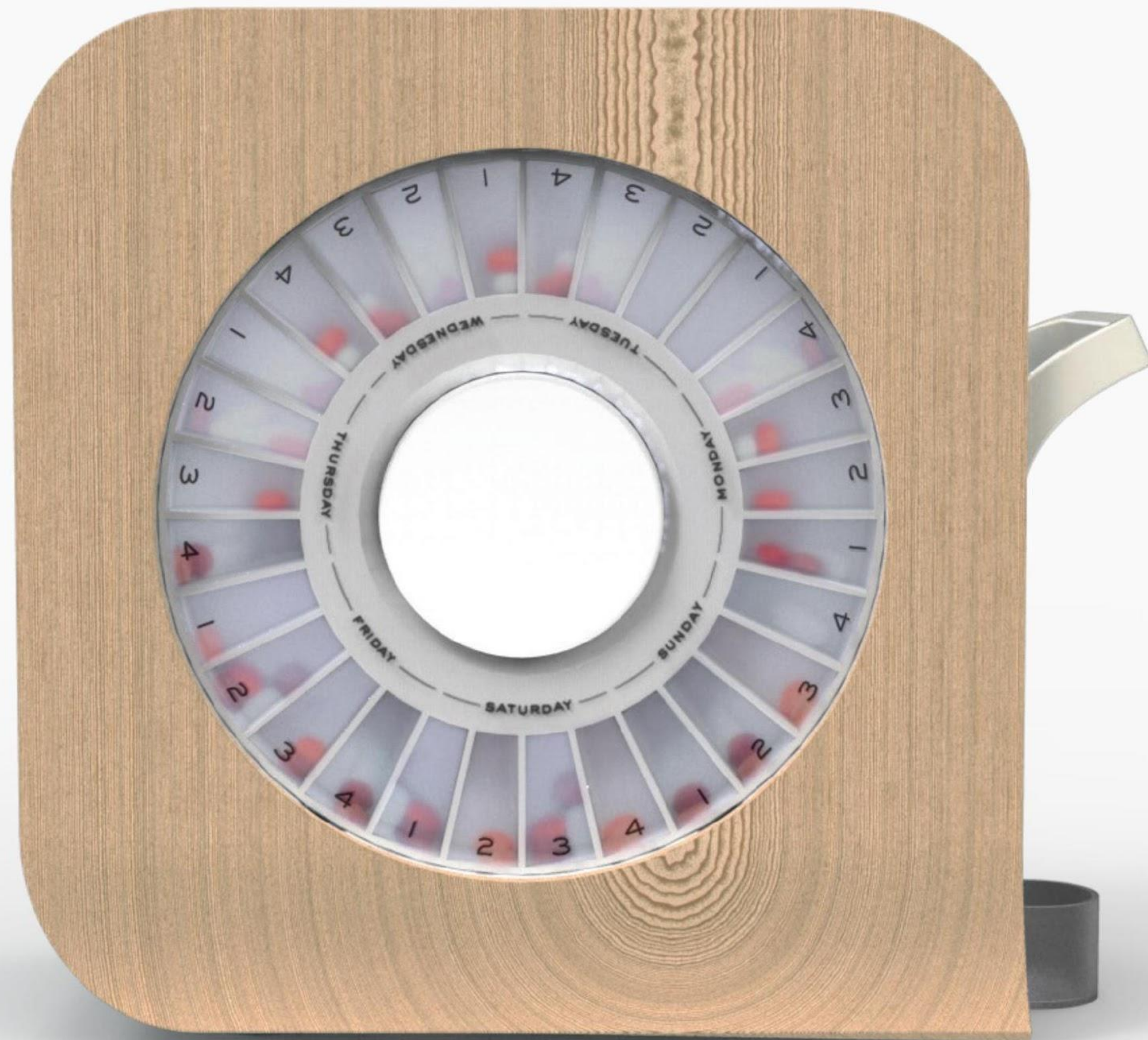
=

46 million

THE PROBLEM

65+ suffer from **chronic diseases**, and
their increasing isolation leads to
behavioral **well-being problems** which
further impact their health

How can we help them?



MINDER

Minder is a smart home device that helps older adults continue their treatments at home while facilitating communication between the patient themselves, family members and caregivers.



OLDER ADULT

Smart Home Medical Hub

- Personalized behavior questions (e.g. mood, sleep, appetite, memory etc.)
- Blood pressure, heart rate and facial expression measurements through facial recognition.
- Easy and safe pill management by providing pre-packed pill cartridges.
- Reminding and recording the patient's dose in take.

BEHAVIORAL WELL-BEING



OLDER ADULT

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BEHAVIORAL WELL-BEING



How is your
mood
this morning?

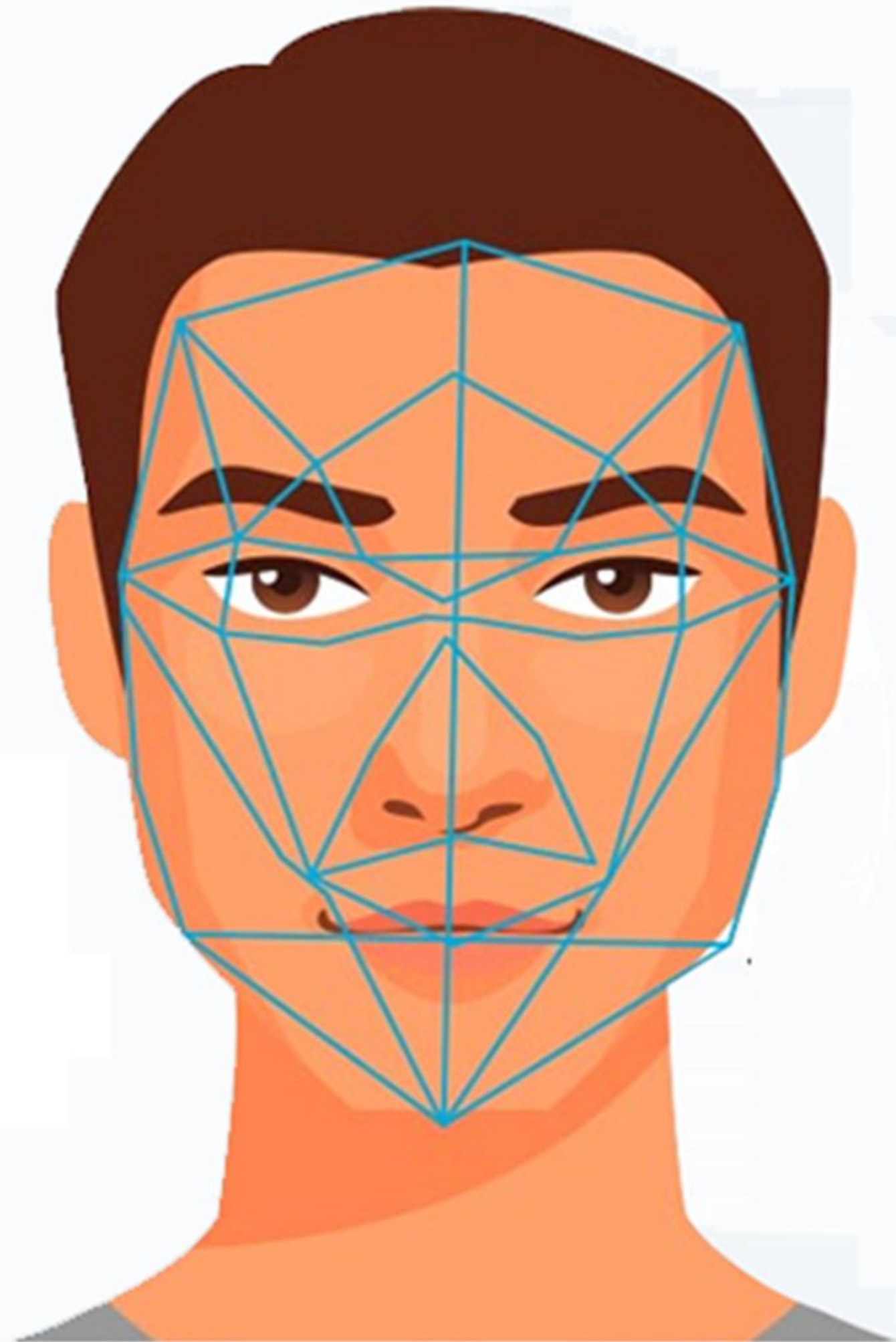


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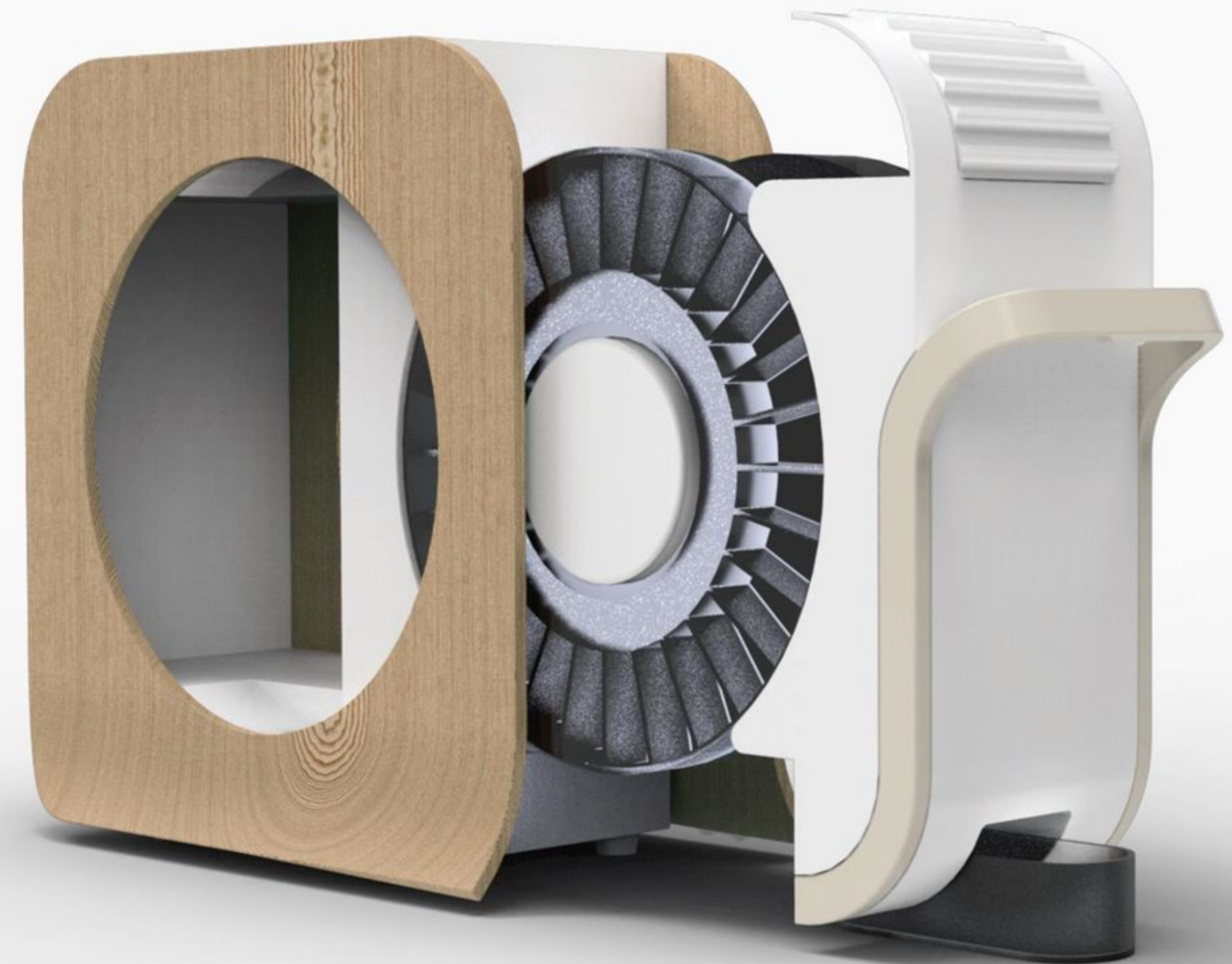


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DEVICE FEATURES

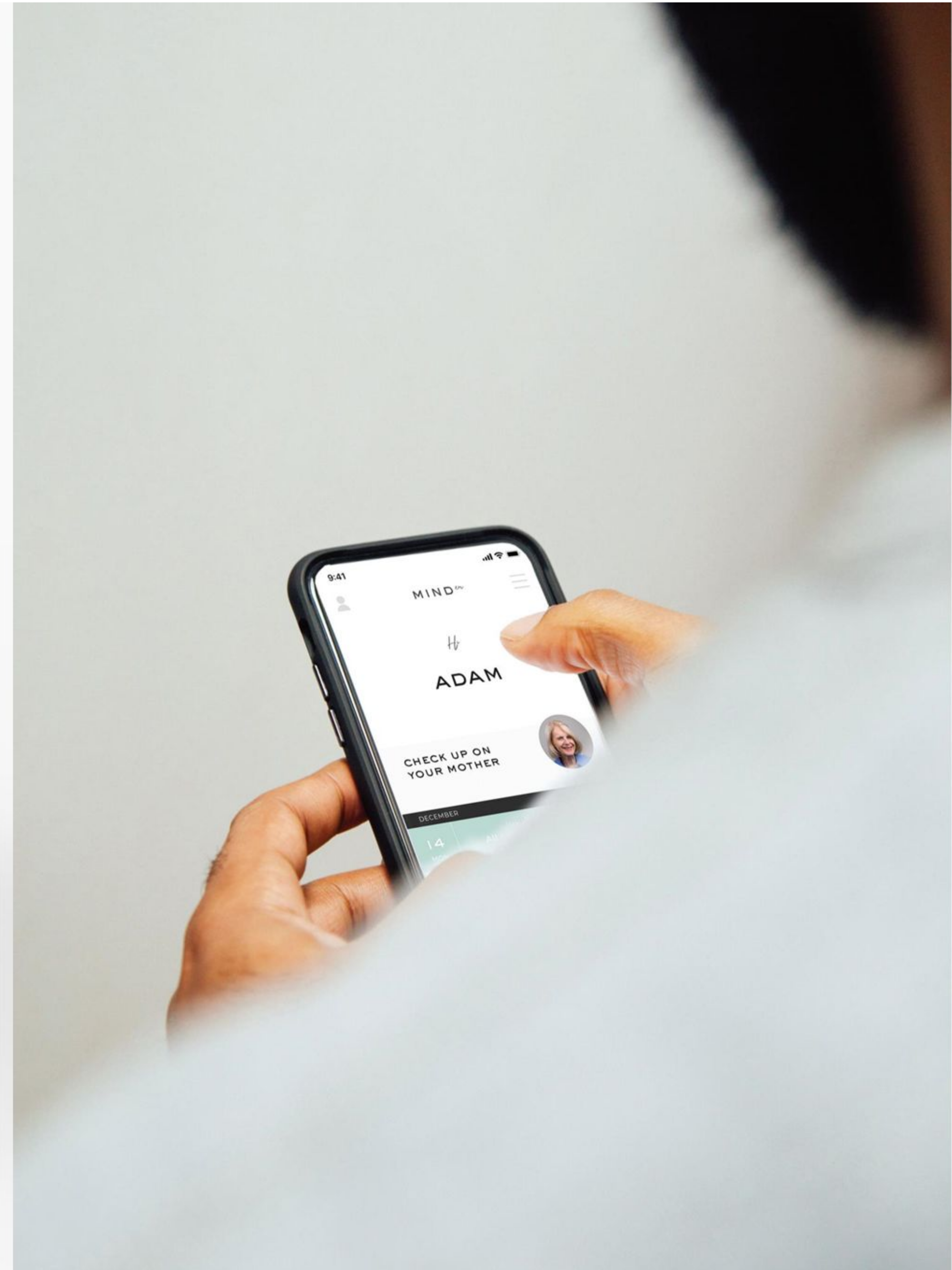


OLDER ADULT

Smart Home Medical Hub

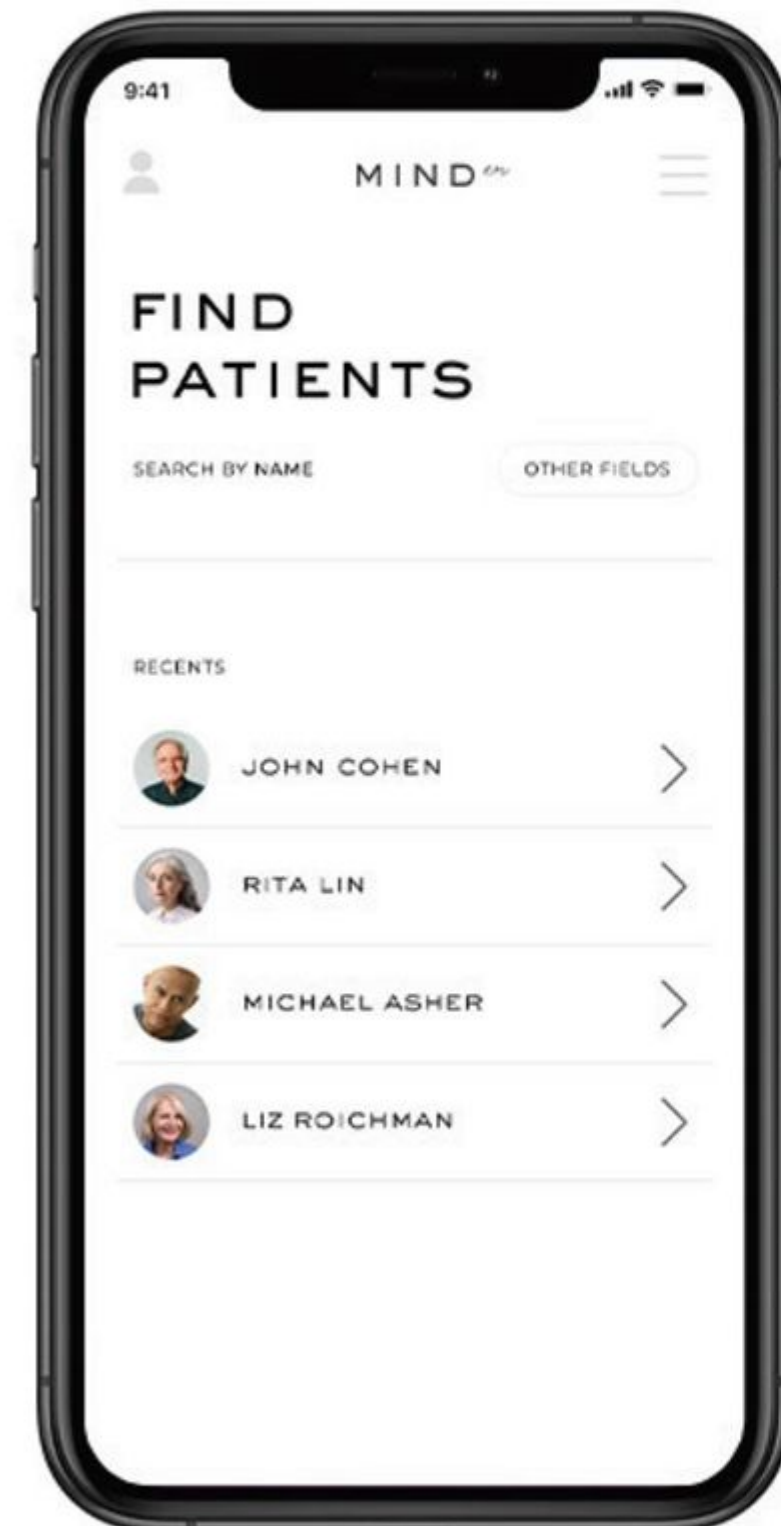
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DEVICE FEATURES





DOCTOR



DOCTOR'S DASHBOARD



FIRST NAME

JOHN

LAST NAME

COHEN

ID NUMBER

311524698

MIND^{er}

Choose Dates

FROM

1/12

UNTIL

7/12

Filter by

MEDICINE

ATORVASTATIN

APIXABAN

LERCANDIPINE

PATIENT FEEDBACK

SLEEP

MOOD

APPETITE

MEDICINE

	1/12	2/12	3/12	4/12	5/12	6/12	7/12	OVERALL
ATORVASTATIN	●	●	◐	●	●	●	●	92.86%
LERCANDIPINE	●		●		●		●	100.0%
APIXABAN	◐	◐		✗	◐	✗	◐	71.43%

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PATIENT FEEDBACK

	1/12	2/12	3/12	4/12	5/12	6/12	7/12	MEAN
SLEEP	7	8	7	9	8	7	7	7.57
APPETITE	8	8	7	9	6	6	8	7.43
MOOD	9	9	9	8	1	1	1	5.43

DOCTOR'S DASHBOARD



FIRST NAME
JOHN

LAST NAME
COHEN

ID NUMBER
311524698

MIND *ev*

Choose Dates

FROM

1/12

UNTIL

16/12

Filter by

MEDICINE

ATORVASTATIN

APIXABAN

LERCANDIPINE

PATIENT FEEDBACK

SLEEP

MOOD

APPETITE

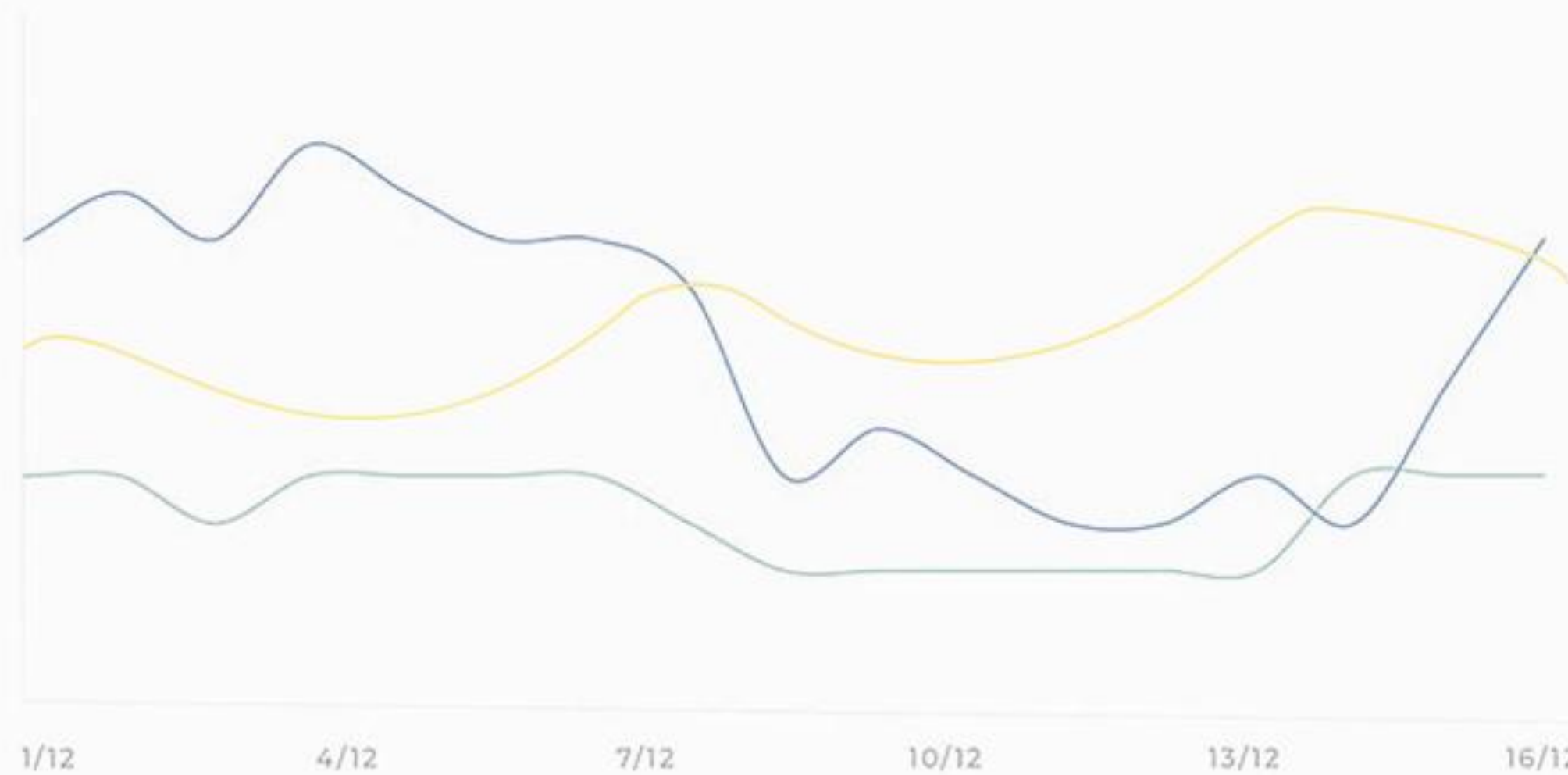
HEART RATE

BLOOD PRESSURE



ATORVASTATIN & SLEEP & BLOOD PRESSURE 1-16 DECEMBER

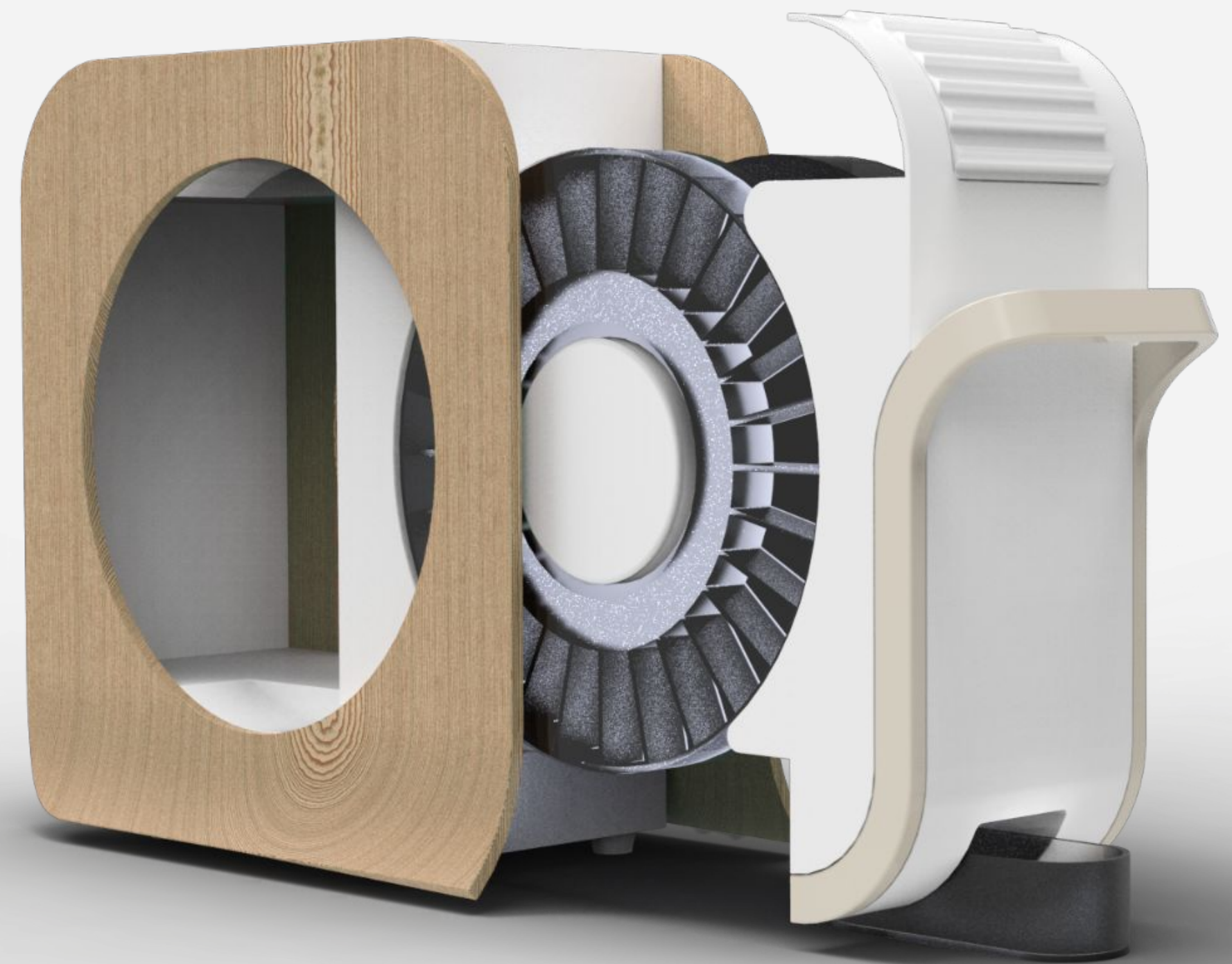
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OLDER ADULT

CO₂ Sensors
Light Sensors
Motion Sensors
Smart Watches

BEHAVIORAL WELL-BEING



Future directions

MINDER CAN BE LATER BE EXTENDED
TO OTHER POPULATIONS AS WELL:

Patients with chronic diseases
(not only elderly)

Psychiatric patients

Thank you

