WaveMed

IDATAMAP CORPORATION



For people with dementia and their families

DEMENTIA · COGNITIVE IMPAIRMENT · CARE HOMES

They may lose their way, but not their name or home.



When a parent leaves the house and does not come back, the finder's phone shows name, conditions, medication and family number. A hard-to-remove wrist band and iron-on patches in clothing protect them two ways.

Locate	Tap	Read
The blue cross on the body	Back of a smartphone, 1 second	Blood type · allergies · medication · contacts

SCAN THE PATCH. SAVE A LIFE.

RadPatch™ · Personal Emergency Information System Patch

No battery · No internet · 1 second
26 languages · Waterproof

01 · WHAT RADPATCH IS

A patch the size of a fingernail speaks for you.

RadPatch™ is a personal emergency information system patch no bigger than a fingernail. Inside it you keep your blood type, allergies, current medication, diabetes emergency information and emergency contacts. When an accident or sudden illness leaves you unable to speak, anyone nearby holds a smartphone to the patch for one second and the information appears on the screen. No battery, no internet, no login. The information is encrypted inside the patch, not on a hospital server, and only you can change it with your PIN.

Three moves and it is done

01
Locate

Find the RadPatch on the helmet, watch strap, collar, bag or phone case. The blue cross is designed to be seen.

02
Tap

Hold the back of a smartphone (Android 8.0 or newer, or a recent iPhone) to the patch for one second. With WaveMed, or the responders' vWaveMed app, the screen opens by itself.

03
Read

Blood type, allergies, medication, diabetes emergency information and contacts appear in the reader's own language. 26 languages switch automatically, so it works abroad.

What goes inside the patch



- Name · date of birth · sex
- Blood type
- Allergies (drugs, food, insect stings)
- Current medication and doses
- Diabetes emergency information
- Emergency contacts (family, carer)
- Doctor · insurance (optional)

You choose what goes in. Only the information you want is stored.

Why a patch, not paper or an app alone

Needs no power

A passive, battery-free design. Nothing to charge, and what you store stays there until you erase it.

Survives water, sweat and the washing machine

A silicone body with a sealed chip: two layers of waterproofing. Pools, sea water, showers and the washing machine are all fine.

Readable without internet

In a mountain with no signal, a building in a blackout or a disaster zone, one smartphone is enough. If every server is down, the information is still on your body.

Your information stays yours

Stored encrypted, changed only with your four-digit PIN. Readers can only read, and other apps cannot open it.

WHY IT MATTERS · FOR PEOPLE WITH DEMENTIA AND THEIR FAMILIES

Dozens of people with dementia go missing every day. The finder cannot learn their name, home or medication, and they cannot answer. Name tags fall off; bracelets come off. RadPatch ironed into clothing survives washing, and the wrist band is waterproof. Police or a neighbour open the free app, tap, and the family number appears. Care homes and hospitals see the medication list at once.

02 · IN MOMENTS LIKE THESE

7 p.m., the local park

19:05	Mother went out for a walk two hours ago and has not returned. The family searches and calls the police.
19:40	A resident sees an elderly woman on a park bench and taps a phone to the blue cross on her wrist band: name, dementia, blood-pressure medication, daughter's number. He calls at once.
20:00	Her daughter reaches the park. She is home before her evening medication.

How it is used

Wrist band
Waterproof with a locking clasp. Stays on through bathing and washing.

Care homes and day centres
Every resident registered. The medication list travels with hospital transfers.

Several carers
Children, care worker and doctor numbers together. If the first does not answer, the next.

Ironed into clothing
Inside the coat, trouser waistband, shoe insole. Several patches where they cannot be removed.

Medication list
Dementia, blood-pressure and diabetes medication: the first thing the emergency room and care home ask.

Where it goes



Wrist band



Inside the coat



Shoe

Iron-on, hair-straightener or sticker: three ways to attach it. Watch straps, collars, helmets, bags, shoes, phone cases, even a pet collar. Attach it once and it can be read anywhere.

Two apps, both free

WaveMed — for the owner and carer
Enter your information, write it to the patch and update it with your PIN. Includes health logs, a document folder and nearby hospital search.

vWaveMed — for paramedics, emergency responders and fire crews
Used by paramedics, emergency staff, fire crews, hospitals, and also family and neighbours. Tap to read only; nothing can be changed. Shown in the reader's language.

03 · NO PATCH NEEDED. THE APP ALONE

Memory may fade.
The record stays with the family.

Dementia pills, blood pressure, blood sugar, carers' numbers. Even without a patch, the family can give a parent their own record in the WaveMed app and keep track of medicines and readings day by day.

KEYWORDS FOR THIS AUDIENCE

Medication schedule & reminders · Parents' medication log · BP & blood sugar 30-day trend · A record for each family member · Prescription photos in one place · Printable report · PDF · Satellite map · share location · Emergency info & carer contacts

01 Medicines

> **By evening, can you be sure your mother took this morning's pills?**

MEDICATION SCHEDULE · COMPLETED

Name, dose, time and times per day become a dated schedule. Each dose is marked Completed as it is taken, so a missed one stands out, with reminders and calendar sync.

> **Dementia, blood-pressure and diabetes pills: could you name what your parent takes, and how many of each?**

FAMILY · MEDICATION LOG

Put the name, the dose and the time into their record. Reminders and calendar sync come with it. That list is the first thing an emergency room asks for.

> **Your mother's paper prescriptions from different pharmacies: is there one place they all go?**

DOCUMENTS · LOGS

Photograph each one and it stacks up under the right person. Doses, blood pressure, blood sugar and supplements go in the same place, so keeping track is never a memory test.

02 Kept by family

> **Your mother's record and your own: can one phone keep them apart?**

MY FAMILY · SELECT MEMBER

Add and select members on the Healthcare Management home screen, and each person keeps their own blood sugar, blood pressure, medication and vaccination records.

> **Where have your parent's blood pressure and heart rate been heading lately: can you say it from a record, not memory?**

BLOOD PRESSURE LOG · HEART RATE

Systolic and diastolic pressure draw as a 30-day trend, and every entry keeps the heart rate and a note such as "morning, seated".

> **For a parent with diabetes, can you show how blood sugar moved over the last month, as a graph?**

BLOOD SUGAR LOG · 30-DAY TREND

Enter fasting and after-meal readings and a 30-day trend graph draws itself. mg/dL and mmol/L appear together, with the fasting reference table (normal, prediabetes, diabetes) on the same screen.

> **Blood sugar, blood pressure, medication and vaccine notes scattered everywhere: could they all sit on one screen?**

FULL HEALTHCARE DASHBOARD

Every record joins one dated timeline, with counts for emergency info, logs, medications and vaccines up front. Healthcare Documents is one tap away, and the view exports as a PDF.

03 · NO PATCH NEEDED. THE APP ALONE · 2

03 Papers & reports

“Your mother's blood type, allergies, medications and emergency contacts: are they written down in one place?”

MY HEALTH INFO · DOCUMENTS

Blood type, allergies, medications, diabetes emergency information and emergency contacts, written down once. Scans and reports go in as photos or PDFs, ready to show the moment somebody asks.

“Your parent's insurance certificate and claim papers: can you pull them up the moment you are asked?”

DOCUMENTS · INSURANCE

Insurance certificates, diagnosis letters and test results go into each person's document folder as photos or PDFs, so a claim never starts with gathering them all again.

“When siblings take turns caring for your mother, can you hand over her record as one printed report?”

FULL REPORT

Everything you have entered comes out as one report. Print it, or send it as a PDF. You decide how much of it to include, every time.

04 If they wander

“Searching a park or a walking path for your mother, how do you tell the rest of the family exactly where you are?”

MAP · SATELLITE · SHARE

Switch to satellite and the buildings and terrain are simply there. GPS holds without a signal, a map you have already looked at is kept, and coordinates and a link still send on a weak connection.

“And when she is found but cannot answer, who tells them her blood type and her medications?”

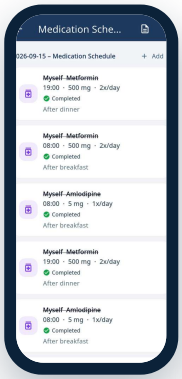
EMERGENCY INFO

The emergency screen opens without a lock: blood type, allergies, medications, diabetes emergency information and next of kin on one page. This is the point where a patch starts to matter.

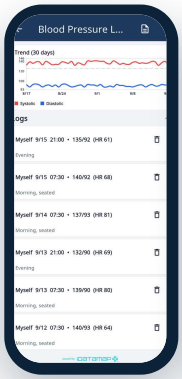
NEXT — OPTIONAL

The patch is for the moment you cannot speak for yourself.

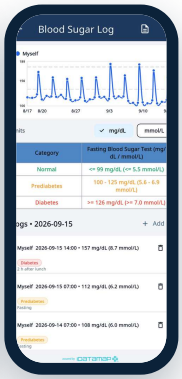
Use the app for a while and one problem is left over: who opens your record when you are unconscious, or when your phone is not with you. RadPatch solves that one thing. Whatever you put in the app today carries straight across the day you add a patch.



Medication schedule



Blood pressure log



Blood sugar log

04 · ECOSYSTEM · HOW IT IS MADE

Everything connects around one patch.

RadPatch is never used alone. The owner's app, the responders' app, the desktop that organisations use for bulk registration, the ride call that gets you to hospital, the wallet-sized RadCard and the cloud all form one system around a single patch. There are 120 scenarios, and one solution.



120 scenarios, one solution — WaveMed Magazine Special Issue 03, "The Technology Solution"

WaveMed — for the general population

Enter your own and your family's emergency information, write it to the patch, and keep health logs and documents.

vWaveMed — for paramedics and emergency responders

One-second read at the scene. Read-only, nothing can be changed, shown in the reader's language.

WaveMed Desktop Intelligent Manager

Hospitals, organisations and groups register hundreds of people in list order with a reader. The centre of the hospital supply model.

Emergency Ride Call

Uber, Kakao T, Bolt, Grab and the other ride services of that country, straight to the nearest hospital.

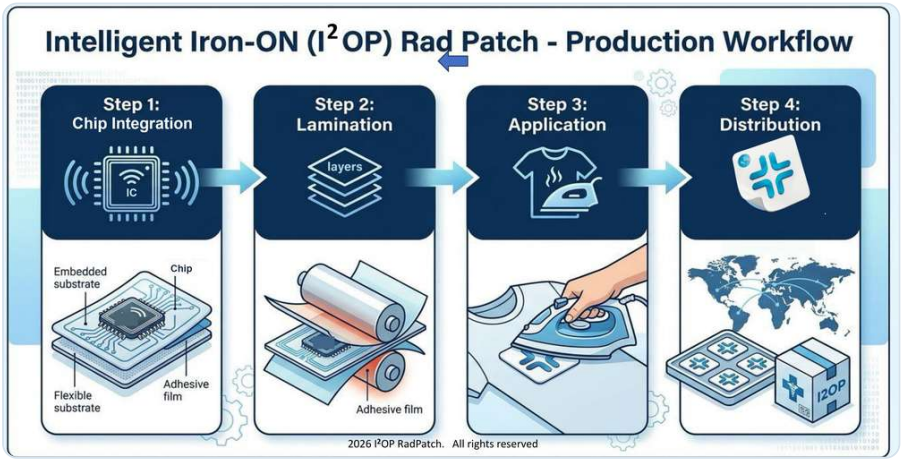
RadPatch · RadCard

A patch worn on the body and a card carried in the wallet. Same data format, so the same apps read either.

Path A · Path B

Two supply paths — Path A: individuals register with the app · Path B: organisations issue in bulk with the desktop

Intelligent Iron-ON (I²OP) production workflow



1 · Chip integration

The chip and antenna are embedded in a flexible substrate and covered with adhesive film.

2 · Lamination

Several layers are pressed with heat into one thin patch.

3 · Application

Iron, hair straightener or sticker attaches it to clothing, gear and bags.

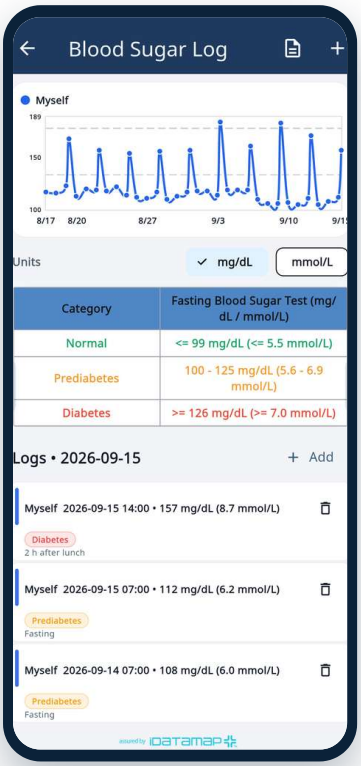
4 · Distribution

Only genuine, certified patches can be written by the apps. Supplied to partners worldwide.

05 · HEALTH MANAGEMENT IN THE APP

Numbers kept as records. Trends shown as graphs.

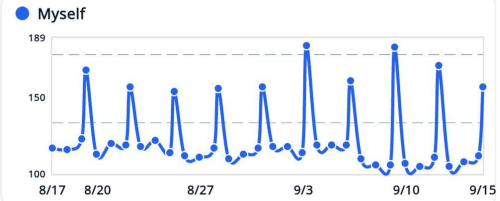
Blood sugar, blood pressure, medication, supplements and vaccinations. Log them by date and the app builds the calendar and a 30-day trend graph, ready to export as a PDF. No patch and no account needed to start today.



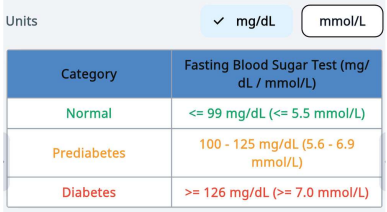
01

Blood sugar: a 30-day trend in both units

Each fasting or after-meal reading lands straight on the 30-day trend graph. Enter it once and mg/dL and mmol/L appear together, with the fasting reference table (normal, prediabetes, diabetes) on the same screen.



30-day trend graph



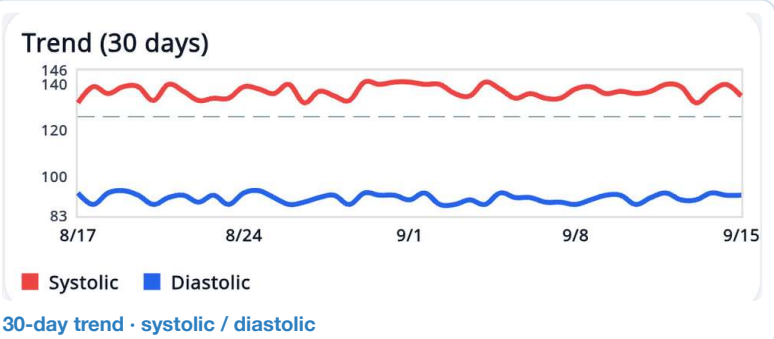
mg/dL ↔ mmol/L · fasting reference table

mg/dL ↔ mmol/L together · Fasting · 2 h after a meal · Calendar · PDF export

02

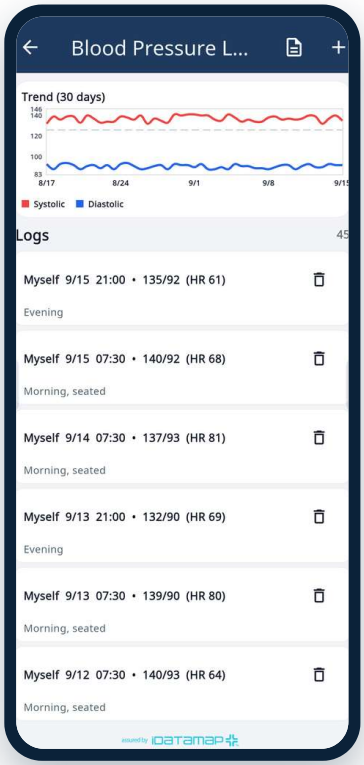
Blood pressure and heart rate at a glance

Systolic and diastolic pressure draw side by side as a 30-day trend. Every entry keeps the heart rate (HR) and a note such as "morning, seated" or "evening", so you know how each reading was taken.



30-day trend · systolic / diastolic

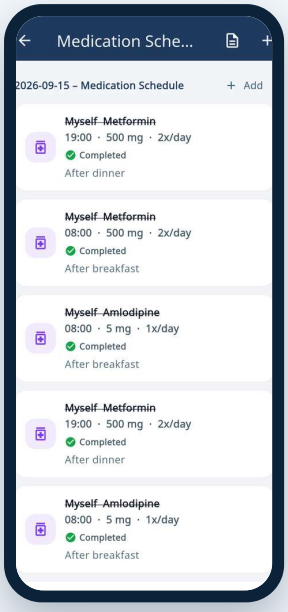
Systolic · diastolic 30-day trend · Heart rate on every entry · Notes on how it was measured



Real WaveMed app screens (demo data).

05 · HEALTH MANAGEMENT IN THE APP · 2

Medication, supplements, vaccines, and one dashboard.

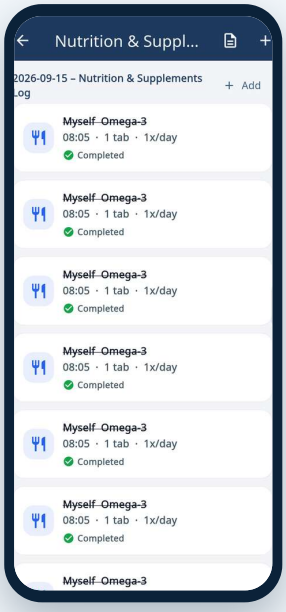


03

Medication schedule: taken, and recorded

Name, dose, time and times per day become a dated schedule. Each dose is marked Completed as it is taken, so a missed one stands out, with reminders and calendar sync.

- **Completed marks**
- **Reminders · calendar**

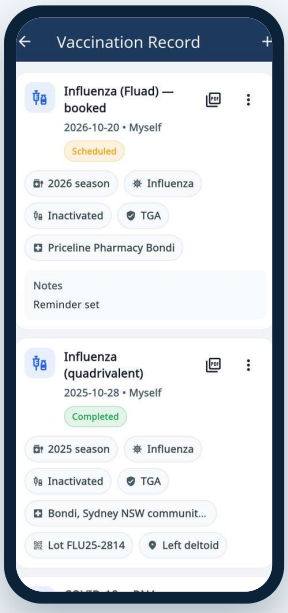


04

Nutrition & supplements: what, and how much

Product, dose, time of day and times per day, logged by date, with a 30-day trend and a PDF. Supplements and prescriptions can be seen as one list.

- **Logged by date**
- **30-day trend · PDF**

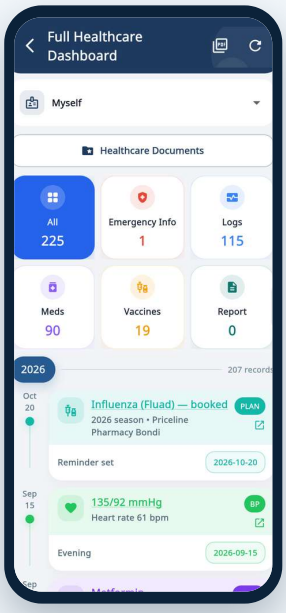


05

Vaccination record, for the day proof is needed

Vaccine, date, dose, type, where it was given, lot number and injection site are kept as one card, and each record exports as a PDF.

- **Lot number · site**
- **PDF per record**

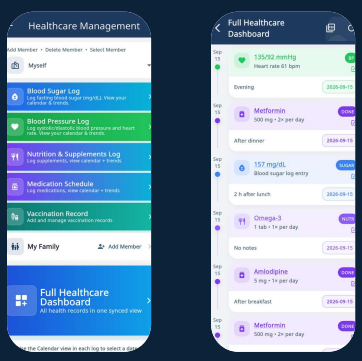


06

Full Healthcare Dashboard

Blood sugar, blood pressure, medication, supplements, vaccines and emergency info join one dated timeline. Counts by type sit up front, Healthcare Documents is one tap away, and the view exports as a PDF.

- **One timeline**
- **Healthcare Documents · PDF**



WAVEMED

One family member at a time

On the Healthcare Management home screen, select yourself or a family member and keep each person's records apart.

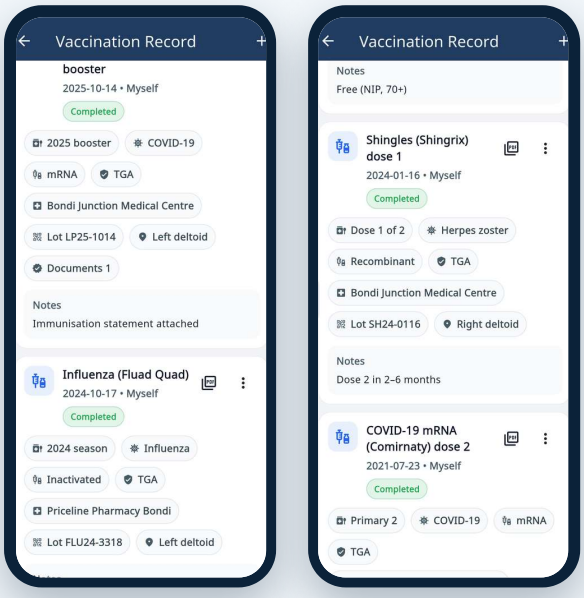
Real WaveMed app screens (demo data).

05 · VACCINATION CERTIFICATES AND DOCUMENTS

Certificates attached to the record. Papers filed by folder.

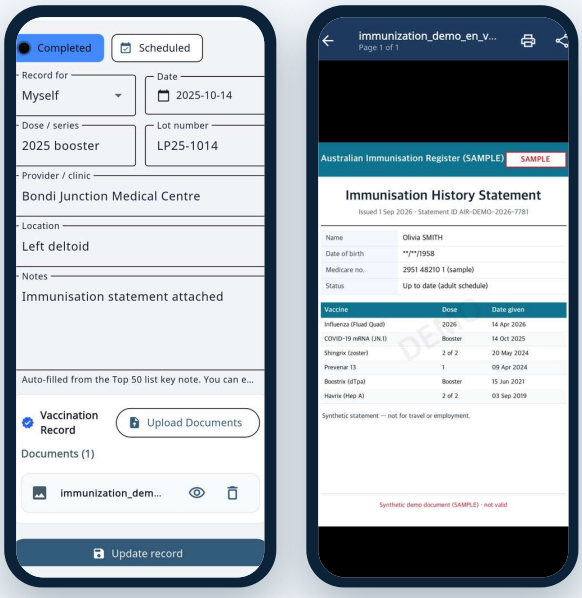
Vaccination history, travel vaccines included

Influenza, shingles, COVID-19, Tdap, hepatitis A and travel vaccines such as typhoid build up as dated cards, each with dose, vaccine type, where it was given, lot number, injection site and a note.



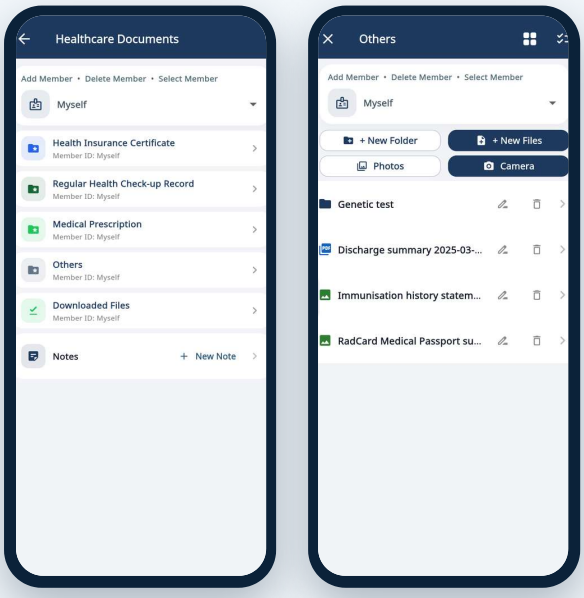
Attach the certificate to the record

Upload the vaccination certificate as a document on each record. Choose the vaccine and the disease, vaccine type and authority fill in; the attached certificate opens inside the app, ready to print.



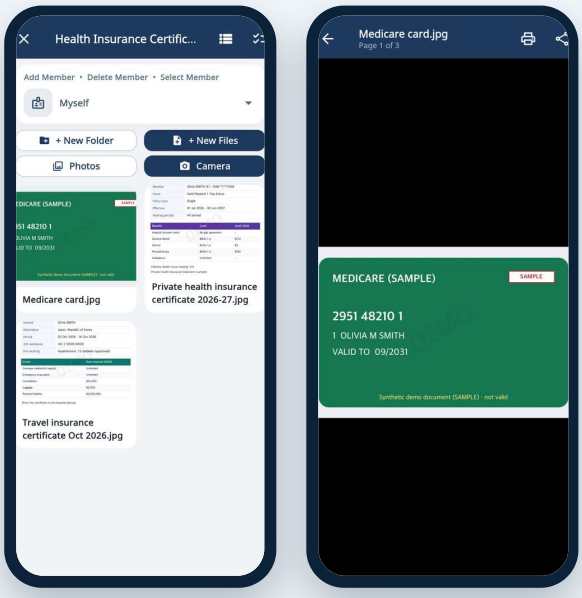
Healthcare documents, filed by folder

Insurance certificates, check-up records, prescription lists, other papers and downloaded files each have a folder, for every family member. Add a new folder or file, a photo, or use the camera.



Insurance certificates, open when needed

Health insurance eligibility statements and private medical or travel insurance certificates show as thumbnails, and open full-screen to show or print.



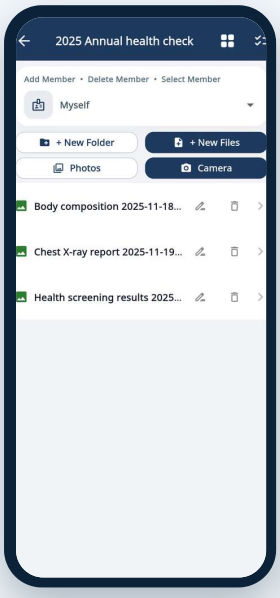
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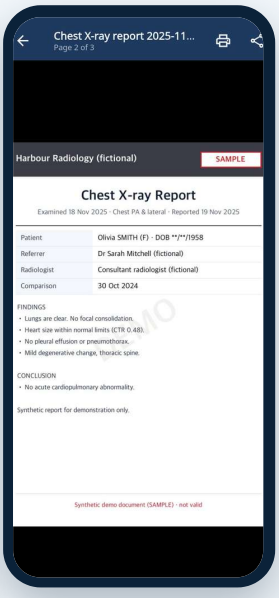
05 · CHECK-UPS, PRESCRIPTIONS AND LANGUAGES

Paper kept as photos. Emergency info and medicines in their language.

Check-up records, one folder a year

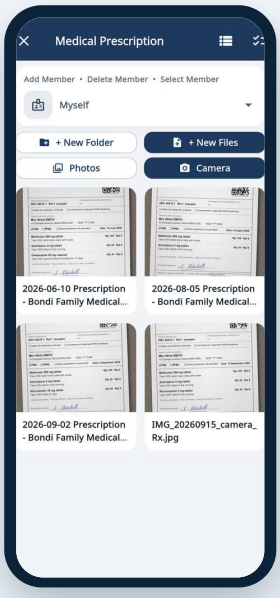
Make a folder for each year's national health screening and keep the results letter, chest X-ray report and blood test results inside. Browse them as thumbnails and open any one to read.





Upload a prescription with the camera

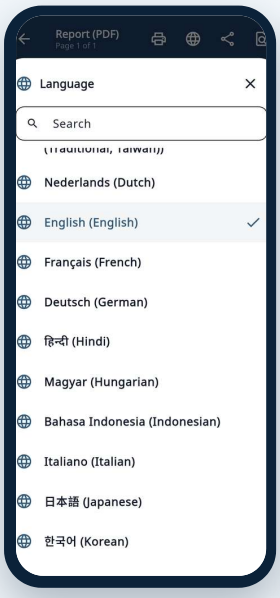
Tap Camera in the prescription list and photograph the paper prescription; it goes straight into that person's folder as a dated file. No more loose papers from every pharmacy.





Emergency report: pick a language, on the spot

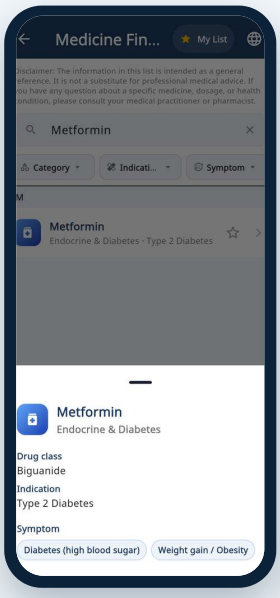
Choose a language on the report screen and the same emergency information is rebuilt in it, in 26 languages. Headings and items chosen from a list change to that language; notes you typed stay as you wrote them.

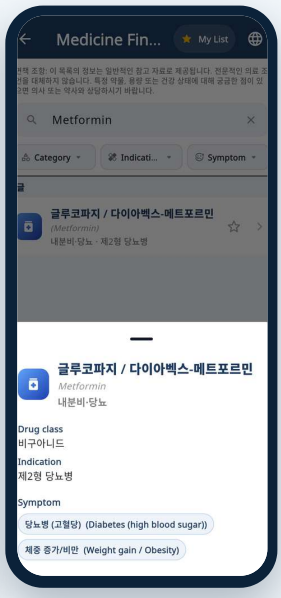




Medicine Finder: your medicine in the local language

Search by name and the brand names appear with the English INN, drug class and indication. Switch the language on the screen and the same medicine changes to that language: 1,000 medicines, 26 languages.





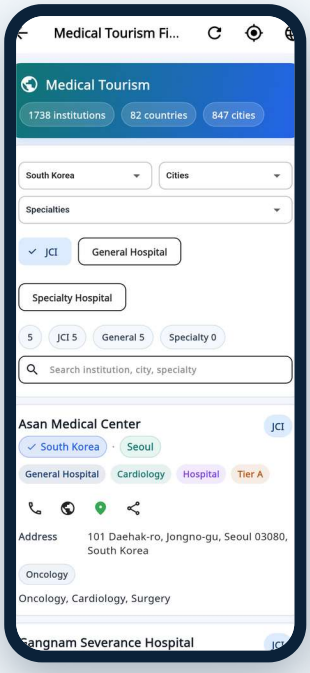
Real WaveMed app screens (demo data).

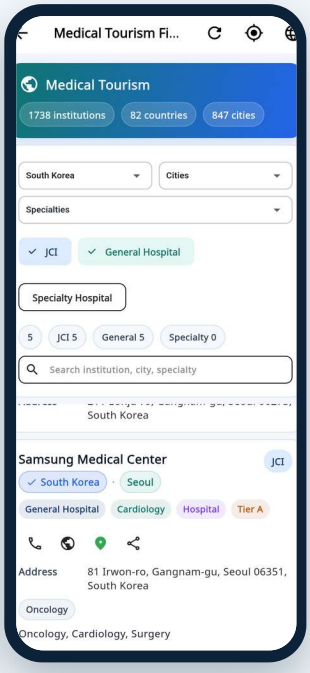
05 · ABROAD, AND WHEN IT IS URGENT

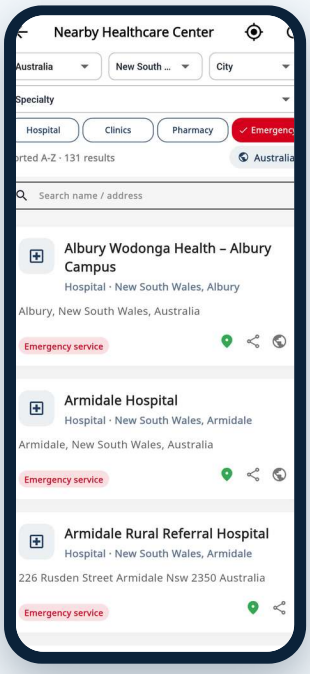
Hospitals and the way there, even somewhere new.

Medical tourism: 1,738 facilities in 82 countries

Search hospitals abroad by country, city and specialty, and narrow the list to JCI-accredited, general or specialist hospitals. Each one shows its address, phone, website and map location.

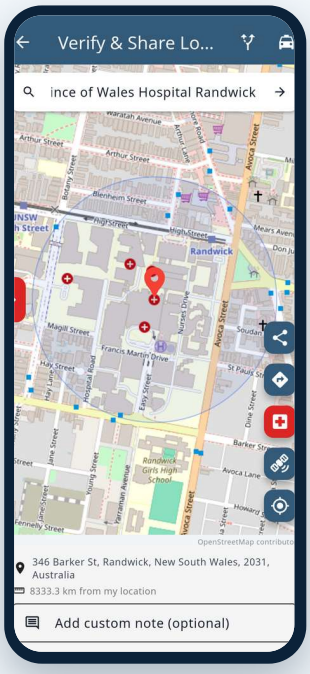






Nearby medical centres: find an emergency room

Choose country, city and specialty, filter by hospital, clinic, pharmacy or emergency centre, and hospitals that run an emergency room are marked. Search by name or address and open the map location in one tap.



Verify & share location, on one map

Search a place and the map shows the pin and the hospitals around it, with the address and the distance from where you are. Share, directions and ride buttons sit on the map, and you can add a note before sending.

Real WaveMed app screens (demo data).

GALLERY

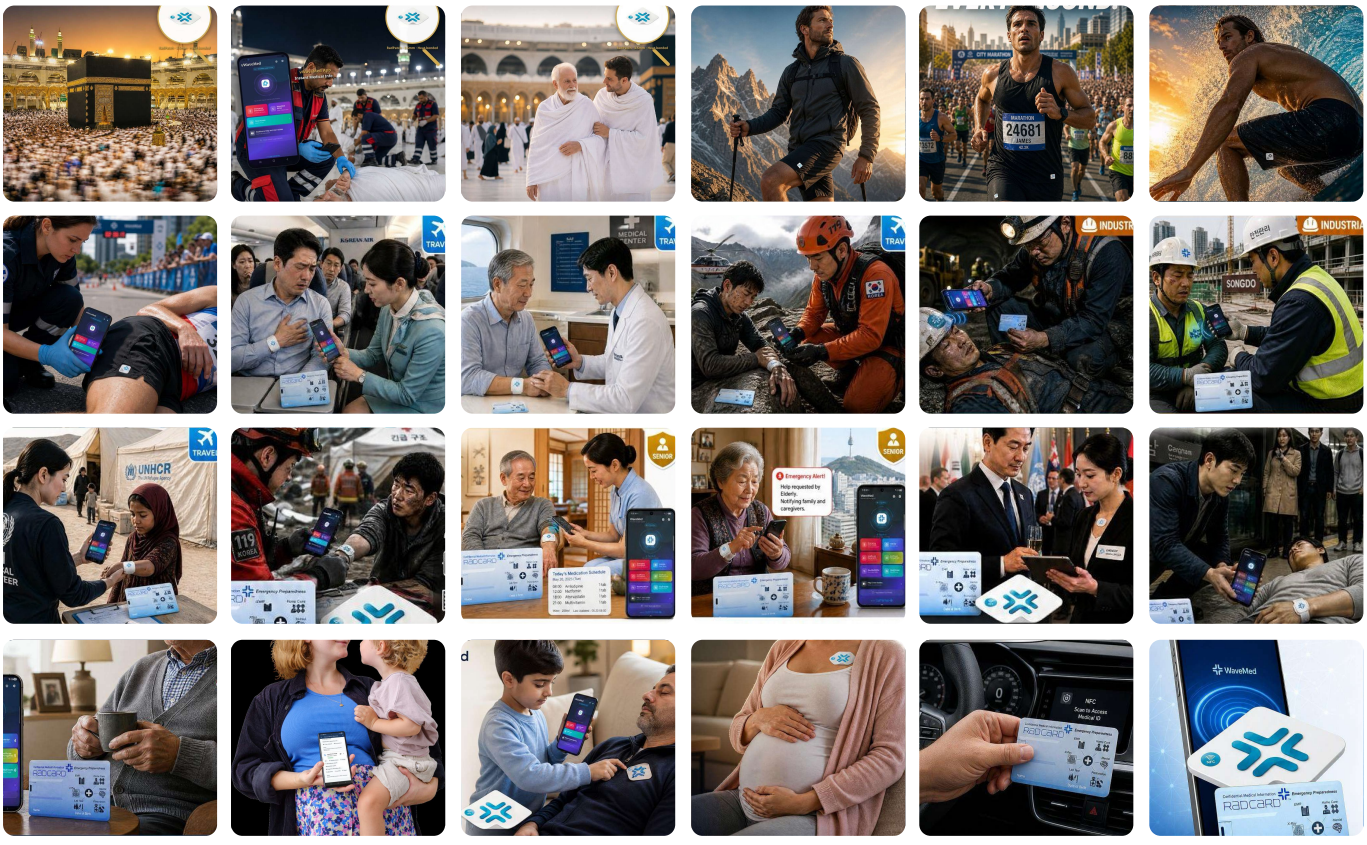
Where it goes — anywhere

Watch straps, collars, bags, helmets, shoes, phone cases, pet collars. Attach it once and the same information is read anywhere.



Where it is read

Pilgrimage, mountains, aircraft, hospitals, industrial sites, disaster zones. Shown in the reader's language.



06 · GETTING STARTED

Five minutes today and you are ready.

1
Install the app
Scan the QR code and get WaveMed from Google Play / App Store. It is free and needs no account.

2
Enter your details and write the patch
Name, date of birth, blood type and an emergency contact; add allergies and medication as needed. Hold the phone to the patch to save. A four-digit PIN appears. Write it down.

3
Attach it and forget it
Put it where you always carry it. When your medication changes, read the patch, enter the PIN and update. Nothing else to do.

Get WaveMed on Google Play / App Store · Free

WaveMed	WaveMed	vWaveMed	vWaveMed
Google Play	App Store	Google Play	App Store

At a glance

Size	Fingernail-sized (from 3.5 × 3.5 mm), thin and flexible
Material	Silicone · machine washable
Waterproof	Double sealed (silicone body + sealed chip)
Power	None (passive)
Reading	Any smartphone, 1 second · no internet needed
Security	Encrypted · 4-digit PIN · only genuine patches can be written
Languages	26, shown automatically
Apps	WaveMed (owner) · vWaveMed (paramedics, responders, fire crews) · free

Frequently asked questions

Q. What if they take the band off?
Use iron-on patches in clothing and shoes as well. Several patches carry the same information and the family manages them in one place.

Q. Which phones can read it?
Any current smartphone. Most Android phones on 8.0 or newer, and recent iPhones.

Q. Can strangers read my private information?
The patch holds only what you chose to show in an emergency. Changing or erasing it needs the PIN, and apps other than the WaveMed family cannot open it.

WORKING TOGETHER

Working with care homes and dementia centres

1. Bands and iron-on patches prepared for the number of residents.
2. Thirty minutes of Desktop Writer training for staff; we build the family-consent step together.
3. We brief local police and community centres on reading with the free app.

Even without a patch, the app alone gives you

Your health log
Blood pressure, blood sugar, medication and supplements by date, with a 30-day trend.

Document folder
Check-up results, prescriptions and vaccination certificates as photos or PDFs, ready when asked.

Family records
Separate records for your children and parents, printed as a one-page report.

Fastest nearby hospital and pharmacy search
Every hospital and pharmacy around you, nearest first, with the country's emergency number.

Local transport in every country
Uber, Kakao T, Bolt, Grab and the other ride services of that country, one tap to the hospital.

iDataMap Corporation Pty Ltd · Radcard Korea Co., Ltd.
Radcard Korea · 441 Gangnam-daero, Seocho-gu, Seoul · info@radcard.com · +82-10-4909-7467
radcard.com · idatamap.com

RadPatch and WaveMed store and display emergency information you entered yourself. They do not replace medical care or first aid. In an emergency, call your local emergency number first.

WaveMed



When you cannot speak, the patch speaks for you.

RadPatch is the smallest way to carry the emergency information you chose, on your body. No battery, no internet, no account.

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SCAN THE PATCH. SAVE A LIFE.

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