WaveMed

IDATAMAP CORPORATION



For airlines

AIRLINE · IN-FLIGHT · FREQUENT FLYER

At 30,000 feet, a patch that speaks for the passenger.



In an in-flight emergency the first thing cabin crew need is the passenger's blood type, allergies and medication. Even without internet in the cabin, one crew phone reads it.

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 AIRLINES

In the cabin there is no internet, there may be no doctor, and the passenger may be unable to speak. Before opening the medical kit, the crew need to know allergies and medication. RadPatch is read in the cabin, and after landing the local paramedics read the same patch in their language. For the airline it shortens in-flight response and puts the brand on something passengers wear every day.

02 · IN MOMENTS LIKE THESE

Incheon to Dubai, four hours after take-off

In flight	After the meal a passenger struggles to breathe and fades. She is travelling alone.
+30 s	Crew read the patch on her phone case: nut allergy, carries an adrenaline auto-injector, daughter's number. Treatment starts before the cabin announcement.
Landing	Dubai paramedics read the same patch in Arabic. Her daughter has already been called.

How it is used

Crew vWaveMed
The read-only app on crew phones. Reading works in flight mode.

In-flight sales
A small pack in the duty-free catalogue, used at the next destination.

Pilgrimage and group charters
Every group passenger registered, with the group leader's number on each patch.

Frequent-flyer gift
A logo patch for top-tier members. Your logo on the wrist every day.

Special-assistance passengers
Pre-registration for elderly, infant and medical passengers. Smooth in-flight response and hand-over on arrival.

Where it goes



Phone case



Wrist



Luggage tag

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

From boarding to after landing, what the passenger's phone carries.

Even without a patch, passengers keep vaccination proof, insurance papers and medication in the free WaveMed app. In the country they land in, it finds medicine and care, and emergency details switch among 26 languages.

KEYWORDS FOR THIS AUDIENCE

In-flight emergency screen · Switch among 26 languages · Vaccine proof · Lot number · Travel insurance papers kept · Medication reminders · A record per family member · Medicine Finder · INN · Map · Find the nearest ER

01 Before boarding

> **“The vaccination proof the destination will ask for: has your passenger boarded with the vaccine type and lot number to hand?”**

VACCINATION RECORD · PDF

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.

> **“Has your passenger kept the travel insurance certificate where it can be pulled up the moment it is asked for?”**

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.

> **“A passenger flying alone: are their blood type, allergies and medication written down anywhere at all?”**

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.

02 Across time zones

> **“After a long-haul flight across time zones, can a passenger be sure today's dose was taken?”**

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.

> **“Land far enough away and even blood sugar units change. Can a diabetic passenger show readings the local way?”**

BLOOD SUGAR LOG

Enter it once and both units appear together: 120 mg/dL (6.7 mmol/L). Nothing to convert. Calendar, 30-day trend and PDF work the same either way.

03 Assisted passengers

> **“An elderly passenger booked with assistance: can the son or daughter travelling along name every medicine?”**

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.

> **“A family flying with a baby and grandparents: can one phone keep each person's record 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.

04 At the destination

“At a pharmacy in the country they just landed in, can a passenger check an unfamiliar name is really their drug?”

MEDICINE FINDER · INN

Every entry carries its English INN, the international non-proprietary name. Show the local name and the INN side by side and the pharmacist can confirm it on the spot.

“Feeling unwell after landing, can a passenger find the nearest ER or open pharmacy?”

MAP · FIND CARE

A 300 m radius is drawn around where you stand, and hospitals, clinics and pharmacies are found out to 2.5 km and listed nearest first, with routes and travel time.

“Needing a hospital in a city they have just flown into, how does a passenger call a car?”

MAP · RIDE HAILING

Drop the pin on where you are going and the app opens with the destination already filled in. Uber, Bolt, Grab, Kakao and the services people actually use in that country are added automatically, around 60 countries.

05 When they cannot speak

“A passenger collapses in flight. Can their emergency details be shown in the language of the paramedics meeting the plane?”

EMERGENCY INFO · REPORT LANGUAGE

Change the app's language and the emergency screen and the report follow, in 26 languages. Anything chosen from a list comes out translated; notes you typed yourself stay as you wrote them.

“And when a passenger cannot speak mid-flight, who tells anyone their blood type and allergies?”

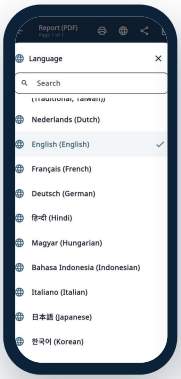
EMERGENCY INFO

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.

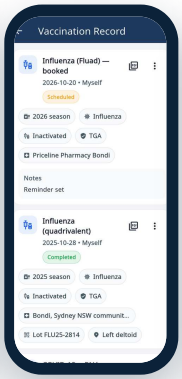
NEXT — OPTIONAL

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

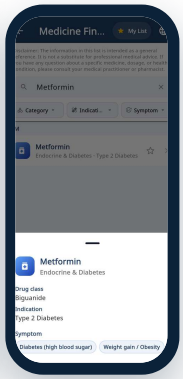
Use the app for a while and one problem is left over: who opens your record when you are unconscious, or when your phone is not with you. RadPatch solves that one thing. Whatever you put in the app today carries straight across the day you add a patch.



Emergency info



Vaccination record



Medicine Finder

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.

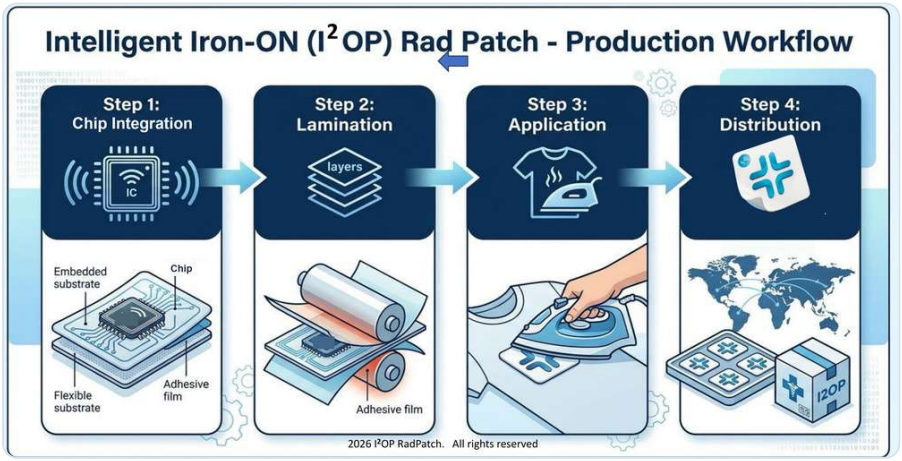
RadPatch · RadCard

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.

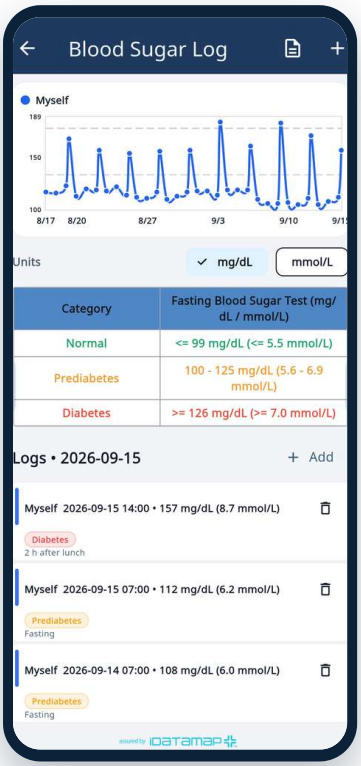
4 · Distribution

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.

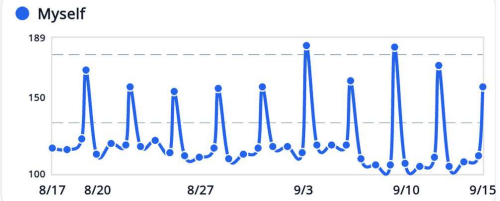
Blood sugar, blood pressure, medication, supplements and vaccinations. Log them by date and the app builds the calendar and a 30-day trend graph, ready to export as a PDF. No patch and no account needed to start today.



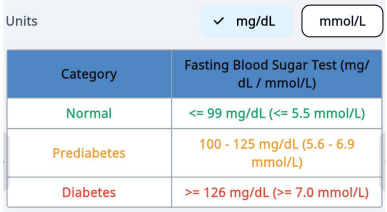
01

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



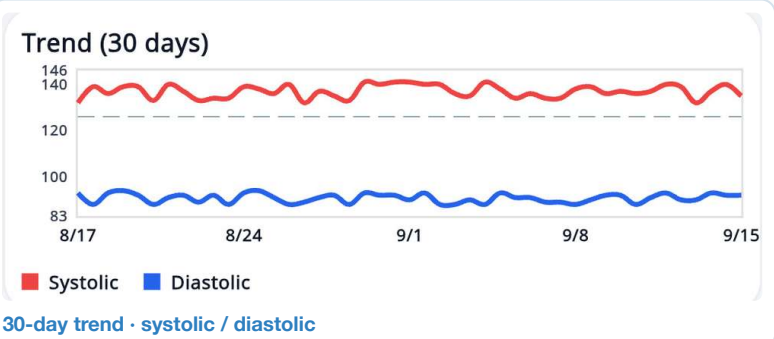
mg/dL ↔ mmol/L · fasting reference table

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

02

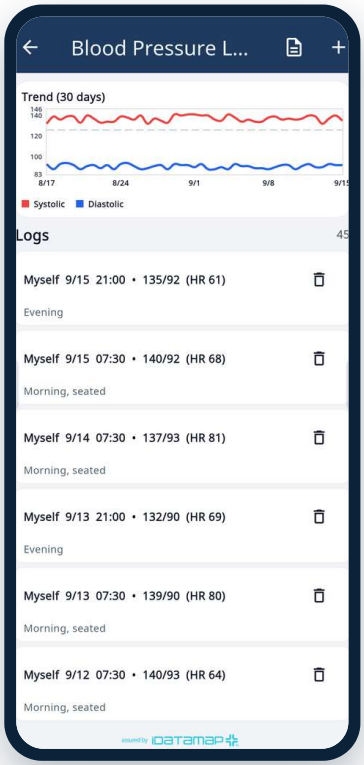
Blood pressure and heart rate at a glance

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

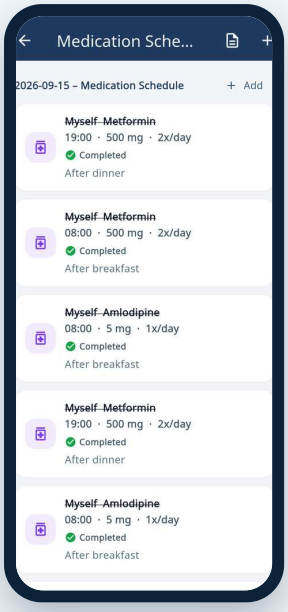
Systolic · diastolic 30-day trend · Heart rate on every entry · Notes on how it was measured



Real WaveMed app screens (demo data).

05 · HEALTH MANAGEMENT IN THE APP · 2

Medication, supplements, vaccines, and one dashboard.

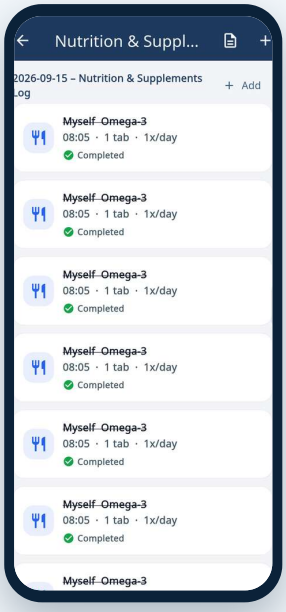


03

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**

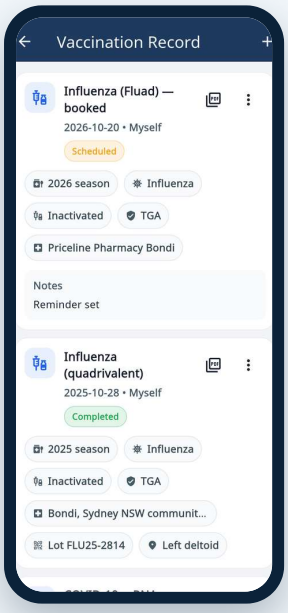


04

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**

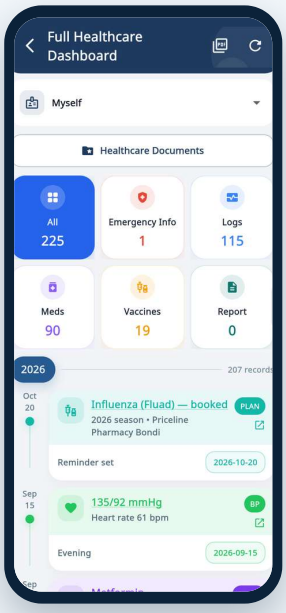


05

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**

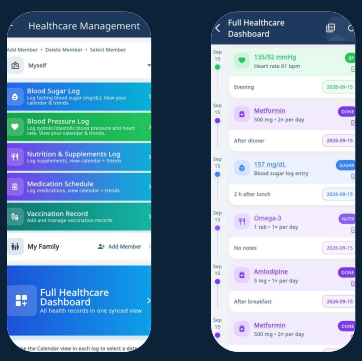


06

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.

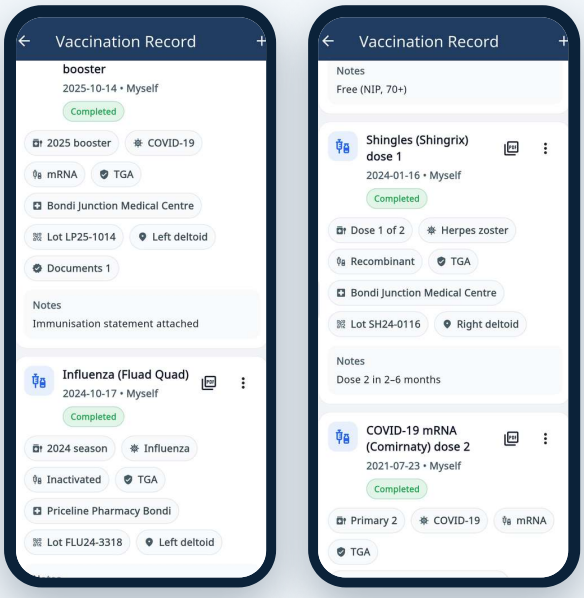
Real WaveMed app screens (demo data).

05 · VACCINATION CERTIFICATES AND DOCUMENTS

Certificates attached to the record. Papers filed by folder.

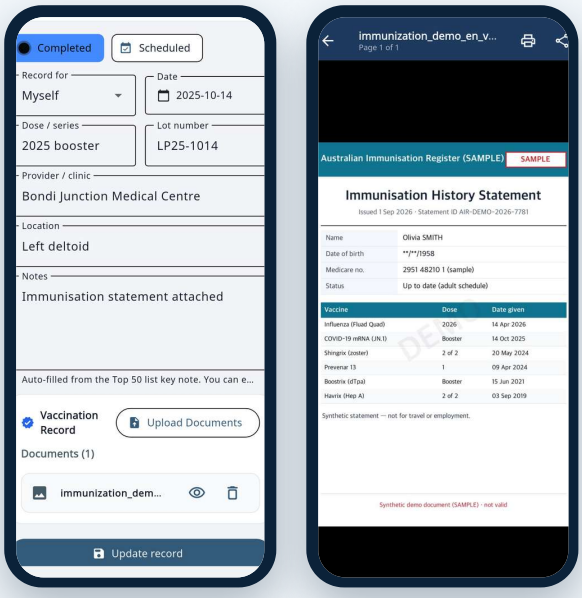
Vaccination history, travel vaccines included

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.



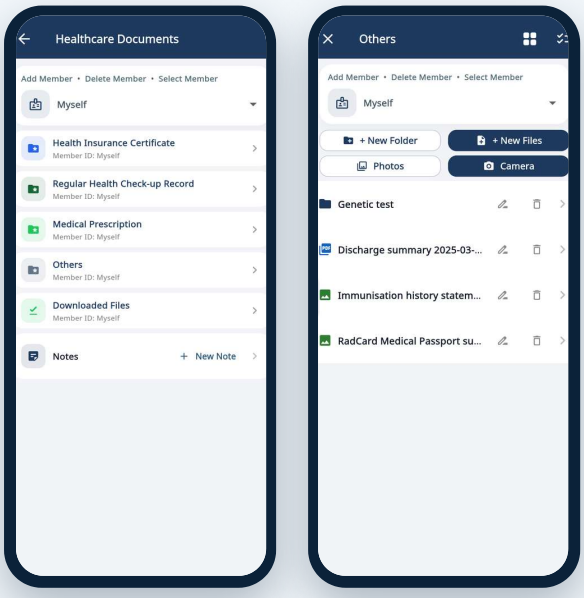
Attach the certificate to the record

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.



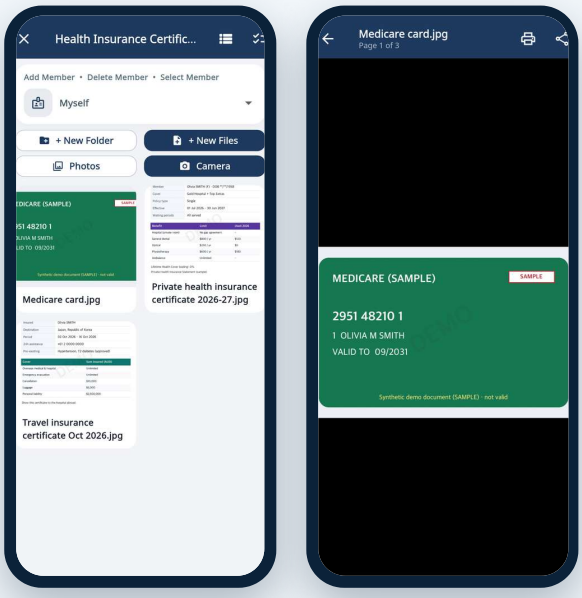
Healthcare documents, filed by folder

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.



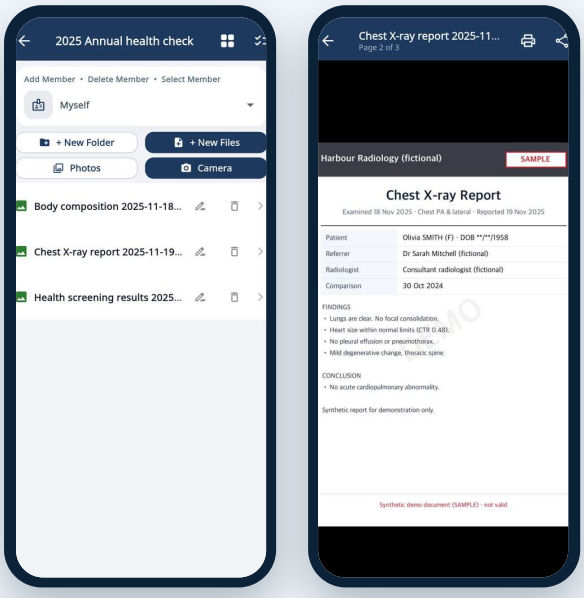
Real WaveMed app screens (demo data).

05 · CHECK-UPS, PRESCRIPTIONS AND LANGUAGES

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

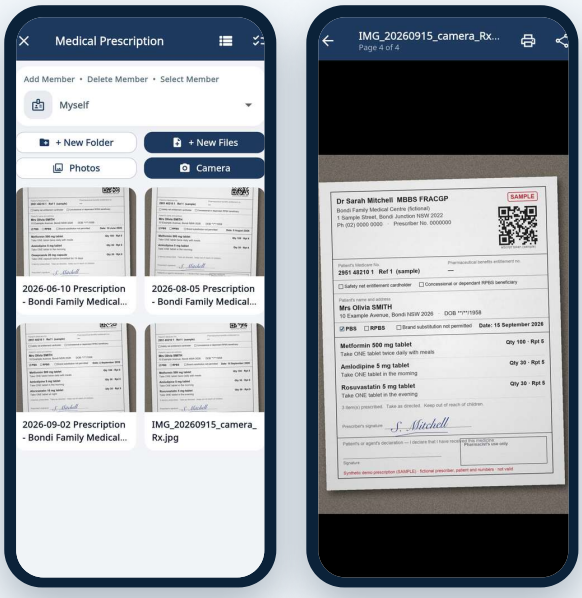
Check-up records, one folder a year

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.



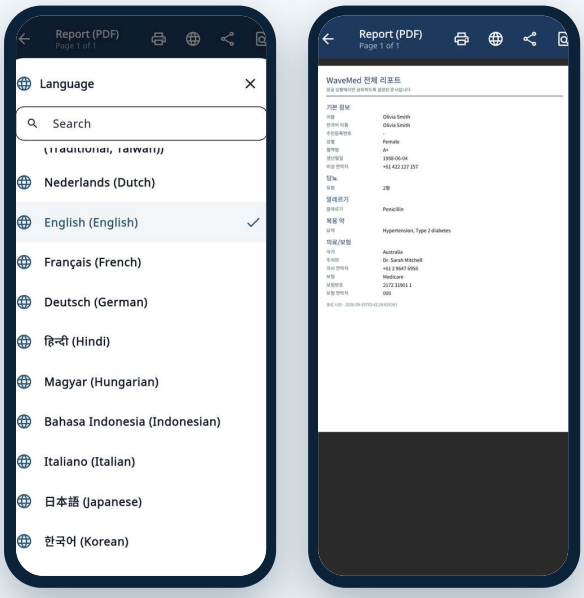
Upload a prescription with the camera

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.



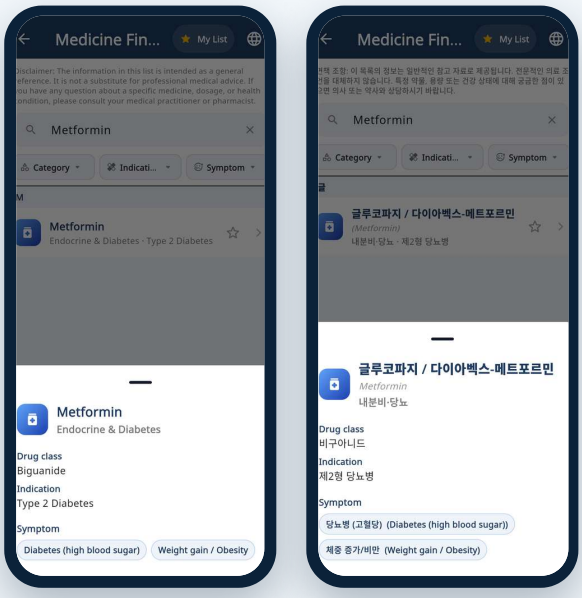
Emergency report: pick a language, on the spot

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.



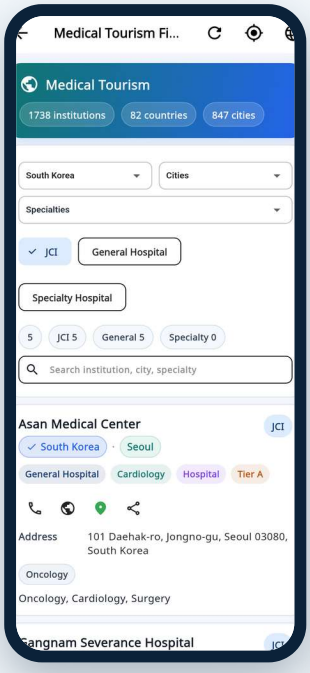
Real WaveMed app screens (demo data).

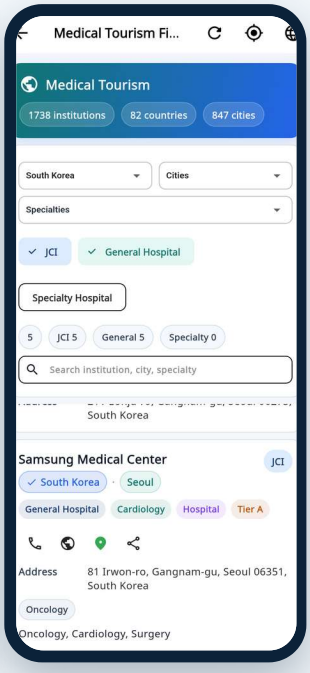
05 · ABROAD, AND WHEN IT IS URGENT

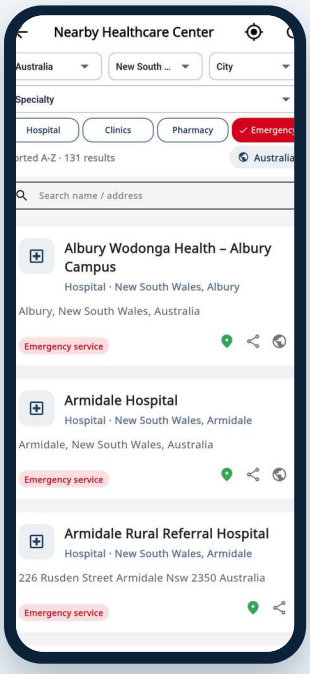
Hospitals and the way there, even somewhere new.

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.

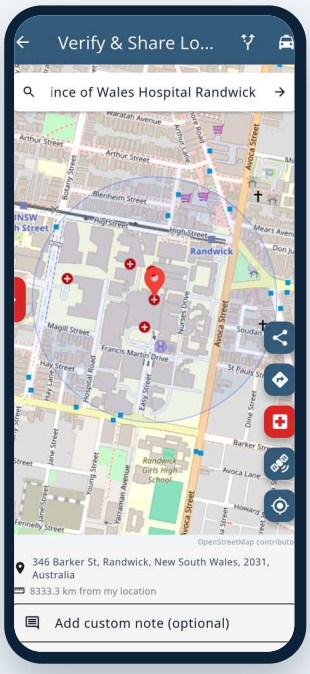






Nearby medical centres: find an emergency room

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

Frequently asked questions

Q. Can it be read in the cabin?
Yes. It is a close-range read of a few centimetres between phone and patch, unaffected by flight mode and with no effect on aircraft systems.

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.

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

WORKING TOGETHER

Working with airlines

1. Pilot on one route: twenty minutes of crew app training, gift patches for members.
2. We produce airline-logo patches and the in-flight sales pack.
3. In-flight response time and passenger feedback set the scope of expansion.

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.
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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.

Get WaveMed on Google Play / App Store

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SCAN THE PATCH. SAVE A LIFE.

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