

For cruise lines and passengers

CRUISE LINE · SHIP INFIRMARY · PORTS OF CALL

At sea and in port, one tap.

Three thousand passengers, two doctors, a day from land. The ship's infirmary and the port hospital read the same patch. Issued at check-in, on the passenger's wrist until disembarkation.



Locate

The blue cross on the body

Tap

Back of a smartphone, 1 second

Read

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 CRUISE LINES AND PASSENGERS

On a cruise the hospital is far away and many passengers are elderly. The infirmary does not know the medication of the passenger who collapsed on deck, and the port hospital does not know the passenger's language. RadPatch is issued as a wrist band at check-in, read by the infirmary, read in the local language by port paramedics, and taken over by the home hospital after disembarkation. For the line it shortens infirmary response, and it is the line's logo on the passenger's wrist every day.

02 · IN MOMENTS LIKE THESE

Day four, the pool deck

- 15:40** A 72-year-old passenger collapses beside the pool. His wife cannot recall the exact names of his medication.
- 15:43** The ship's medical team reads the wrist band: heart failure, on diuretics and anticoagulants, insurer and son's number. Treatment begins in the infirmary.
- Next port** Transfer to the port hospital. Local paramedics read the same band in Spanish; the line's local office and the son are contacted.

How it is used

Issued at check-in

Logo wrist bands. The Desktop Writer writes them in list order from the passenger manifest (CSV).

Hand-over in port

Port paramedics and hospitals read it in their language, with the line's local office number on every band.

Crew

Every crew member registered. Information for a multinational crew appears in one language in the infirmary.

Ship infirmary

The reader app on medical staff phones. One-second read on deck, in the restaurant or in a cabin.

Elderly passengers · long cruises

The medication list of passengers on many drugs is always on the wrist. Most needed on world cruises.

Waterproof

Pools, sea water and showers. Never taken off for the whole voyage.

Where it goes



Ship infirmary



Port hand-over



Flight home



Wrist band

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 every port, the app comes along.

The free WaveMed app on each passenger's phone keeps medication, blood pressure and blood sugar logs through the voyage, no patch needed. In port it carries emergency details in 26 languages and finds the nearest care.

KEYWORDS FOR THIS AUDIENCE

Onboard medication schedule

30-day BP & blood sugar trend

Emergency info in 26 languages

Medicine Finder · INN

Travel insurance papers on hand

Port ER finder · ride hailing

Separate records for companions

01 Before boarding

“Your cruise travel insurance certificate: could you pull it up at a port hospital desk 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.

“Asked for proof of vaccination at a port of entry, could you name the vaccine type and lot number on the spot?”

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.

“The test results and medication list you packed: can you find them at sea when they are needed?”

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 On board

“Crossing time zones at sea, can you be sure by evening that you 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.

“As the voyage goes on, can you say where your blood pressure and heart rate have been, from a record rather than 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".

“After days of buffets, can you show how your blood sugar moved, 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.

03 · NO PATCH NEEDED. THE APP ALONE · 2

03 In port

“If you collapsed ashore, could your emergency details be read in the local language?”

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.

“A port pharmacy hands you a box with a different name. How do you check it is really your medicine?”

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.

“In a port city you have never seen, can you tell how many metres away the nearest emergency room or open pharmacy is?”

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.

“Ashore, without the language, and needing a hospital now: how are you calling 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.

04 When you cannot speak

“Your travelling partner's records too: can one phone keep them apart from yours?”

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.

“Collapsed on deck and unable to speak, who names the medicines even your partner cannot remember?”

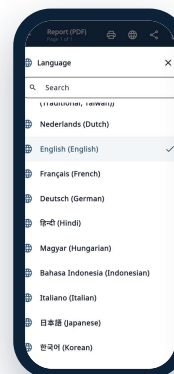
EMERGENCY INFO

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.

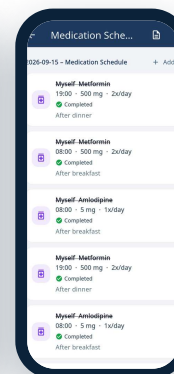
NEXT — OPTIONAL

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

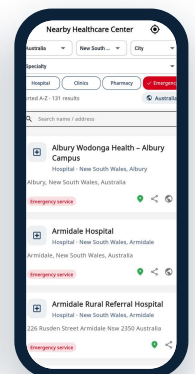
Use the app for a while and one problem is left over: who opens your record when you are unconscious, or when your phone is not with you. RadPatch solves that one thing. Whatever you put in the app today carries straight across the day you add a patch.



Emergency info



Medication schedule



Find hospitals

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.

Emergency Ride Call

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

vWaveMed — for paramedics and emergency responders

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

RadPatch · RadCard

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

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.

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

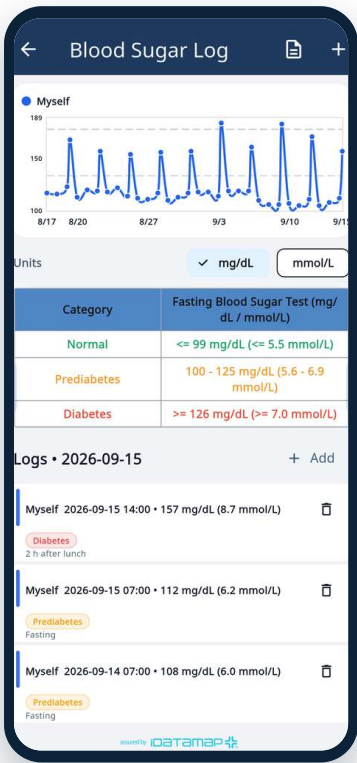
Only genuine, certified patches can be written by the apps. Supplied to partners worldwide.



05 · HEALTH MANAGEMENT IN THE APP

Numbers kept as records. Trends shown as graphs.

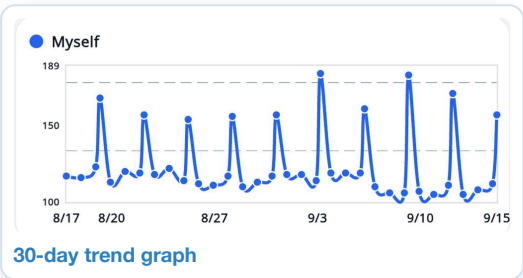
Blood sugar, blood pressure, medication, supplements and vaccinations. Log them by date and the app builds the calendar and a 30-day trend graph, ready to export as a PDF. No patch and no account needed to start today.



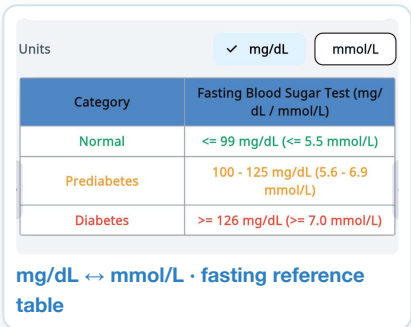
01

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

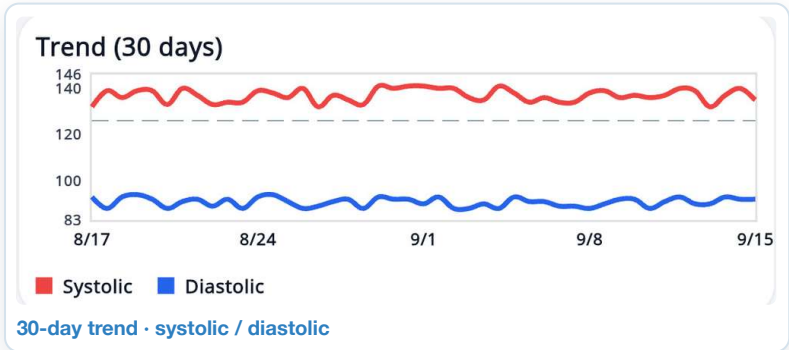
Fasting · 2 h after a meal

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.

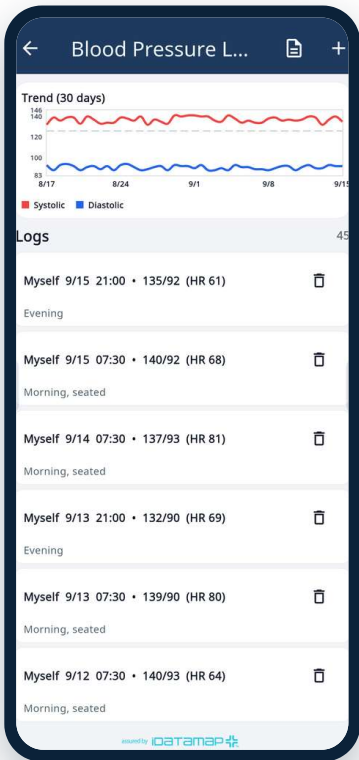


30-day trend · systolic / diastolic

Systolic · diastolic 30-day trend

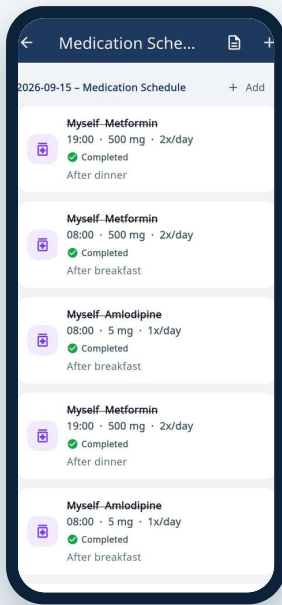
Heart rate on every entry

Notes on how it was measured



05 · HEALTH MANAGEMENT IN THE APP · 2

Medication, supplements, vaccines, and one dashboard.



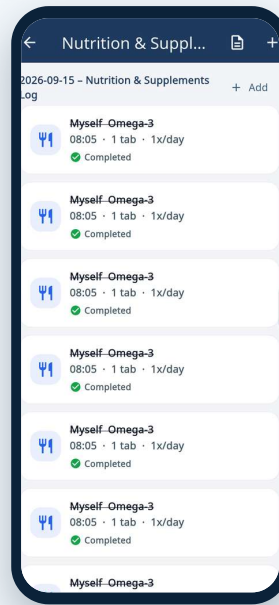
03

**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



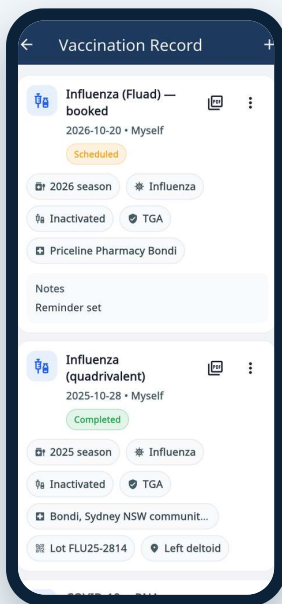
04

**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



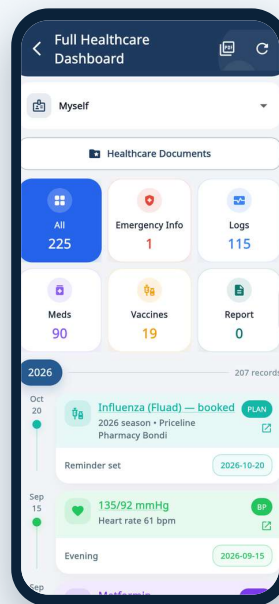
05

**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



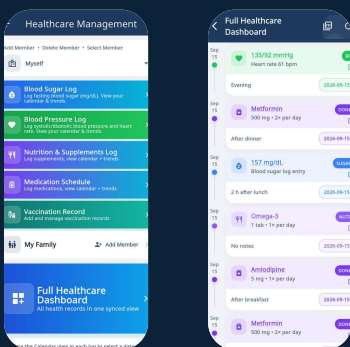
06

**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.

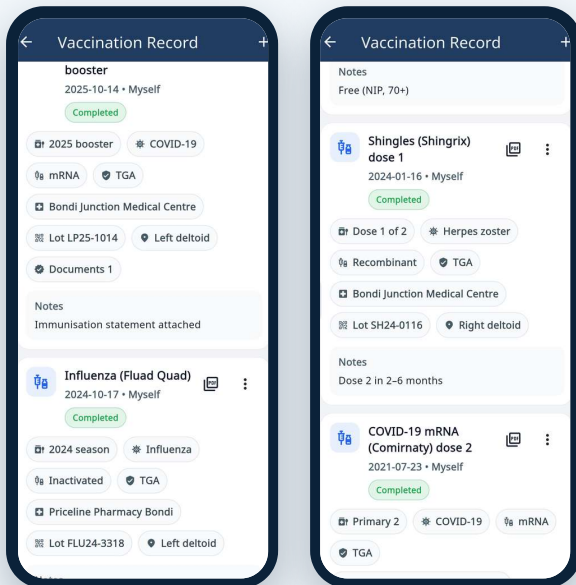
05 · VACCINATION CERTIFICATES AND DOCUMENTS

Certificates attached to the record.

Papers filed by folder.

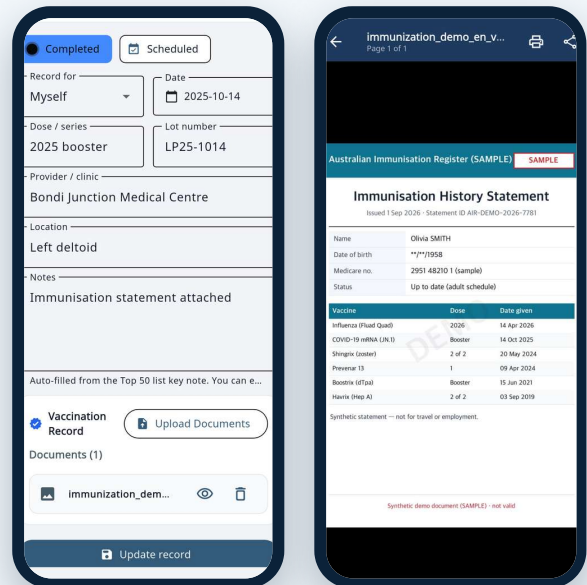
Vaccination history, travel vaccines included

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.



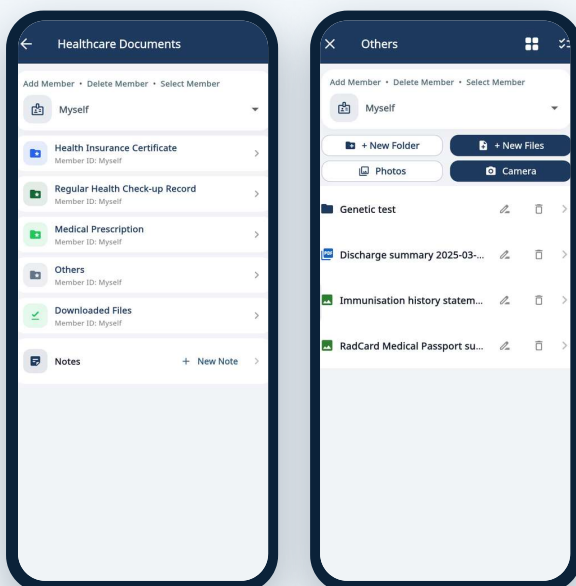
Attach the certificate to the record

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.



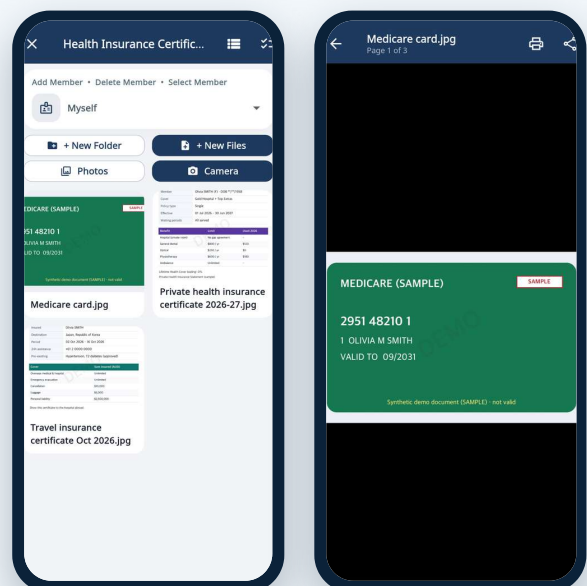
Healthcare documents, filed by folder

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.



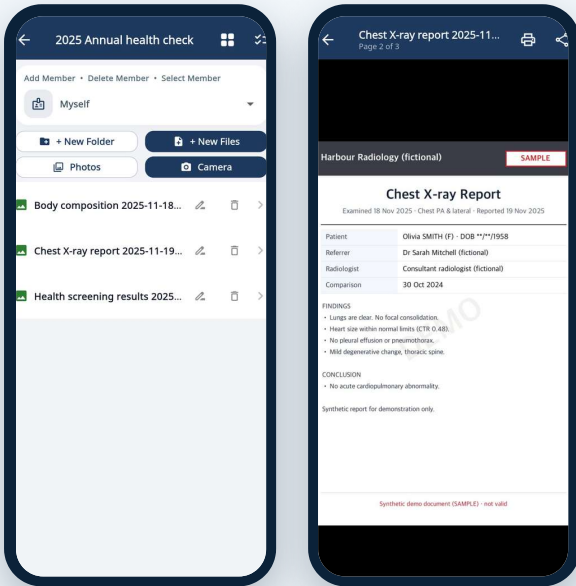
05 · CHECK-UPS, PRESCRIPTIONS AND LANGUAGES

Paper kept as photos.

Emergency info and medicines in their language.

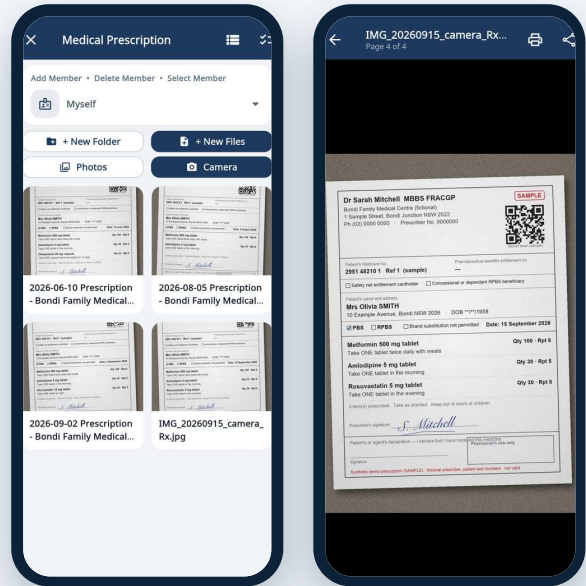
Check-up records, one folder a year

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.



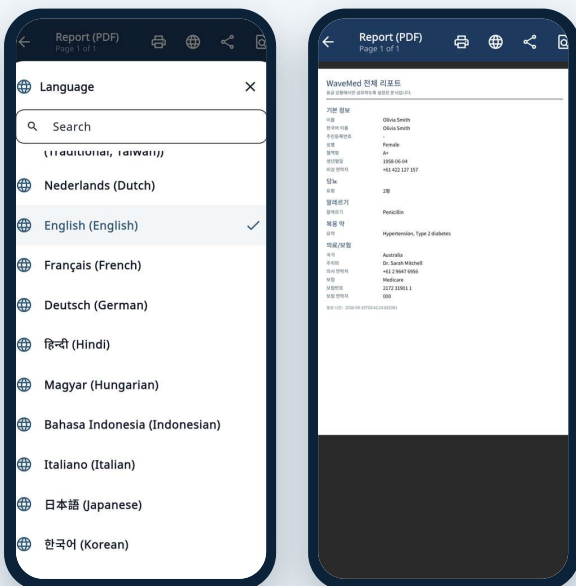
Upload a prescription with the camera

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.



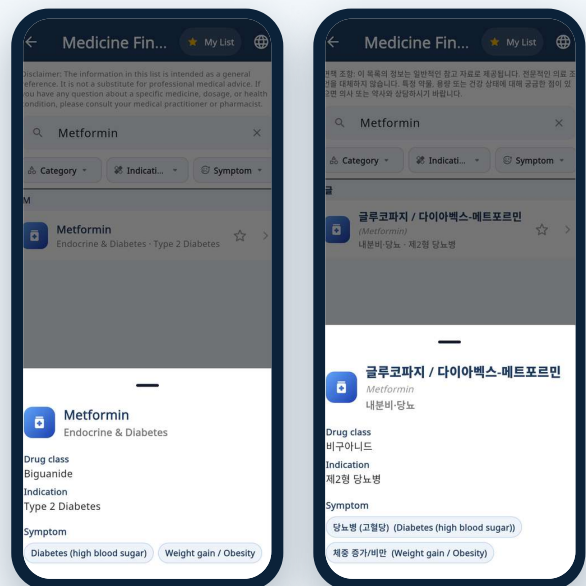
Emergency report: pick a language, on the spot

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.

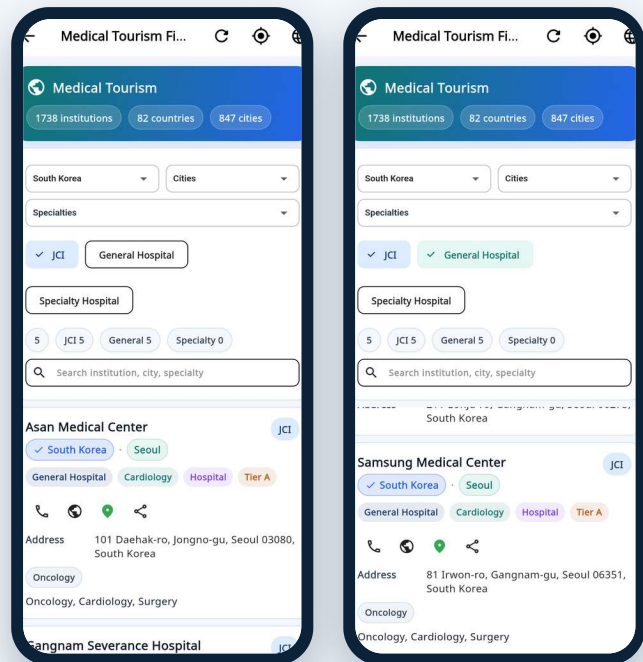


05 · ABROAD, AND WHEN IT IS URGENT

Hospitals and the way there, even somewhere new.

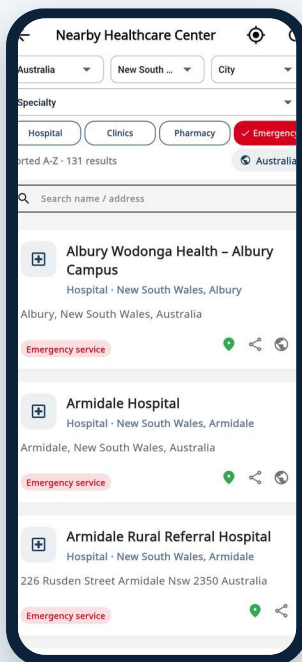
Medical tourism: 1,738 facilities in 82 countries

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.



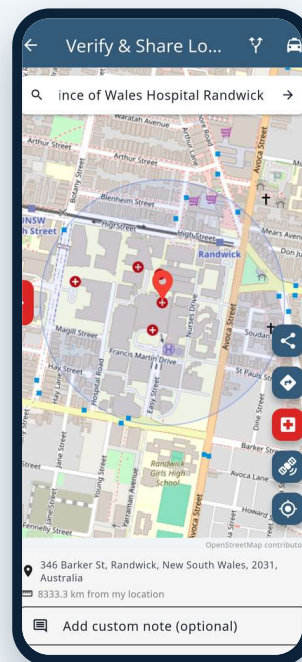
Nearby medical centres: find an emergency room

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.



GALLERY

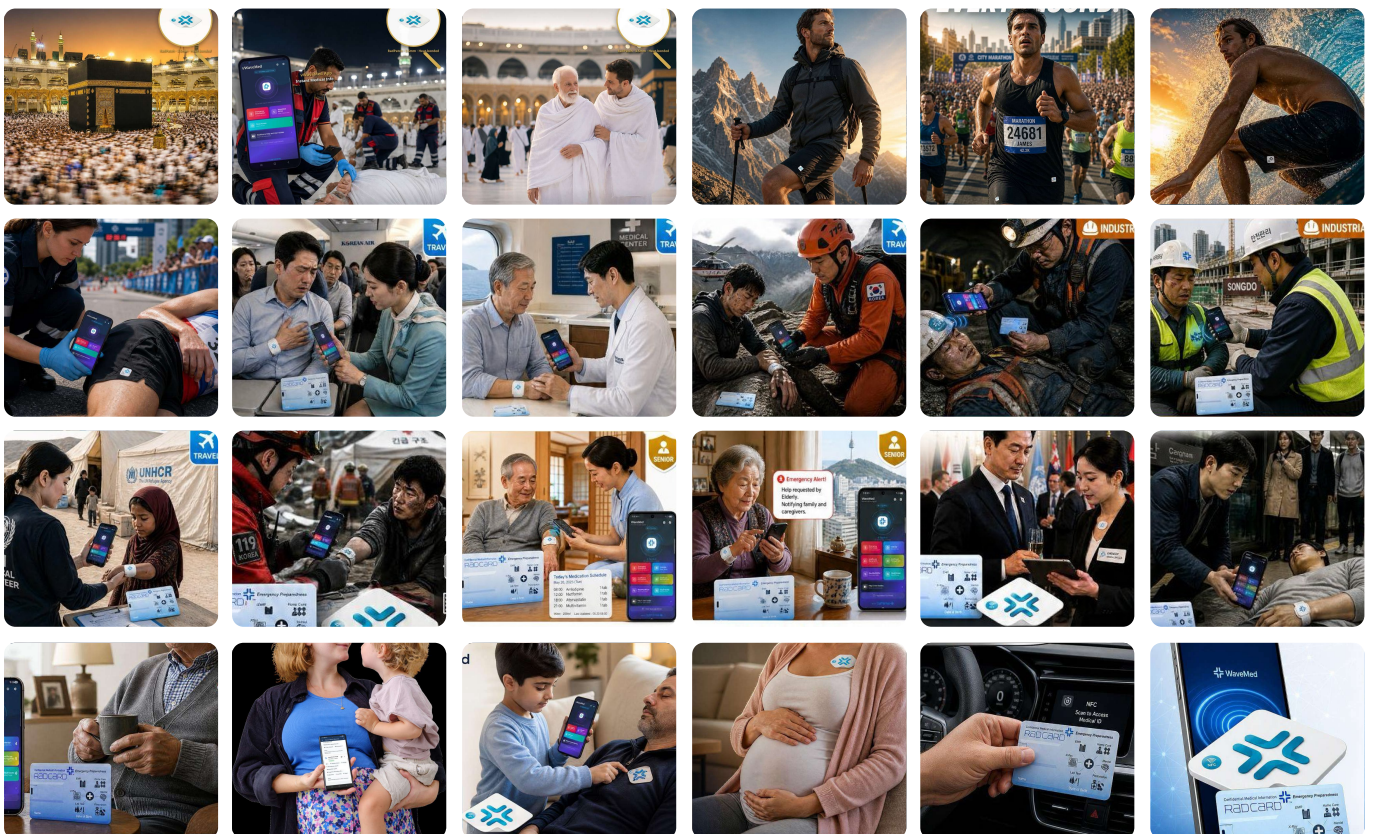
Where it goes – anywhere

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
Google Play



WaveMed
App Store



vWaveMed
Google Play



vWaveMed
App Store

Frequently asked questions**Q. Does the line have to store passenger health data?**

No. The information is only on the passenger's band; the line issues it and registers its own contact. The infirmiry only reads.

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 cruise lines**

1. Pilot on one sailing: logo bands, a Desktop Writer at the check-in counter, twenty minutes of infirmiry app training.
2. We build the port partner-hospital and local-office contact chain together.
3. After the sailing we compile infirmiry response times and passenger feedback and extend fleet-wide.

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.

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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.





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



WaveMed
Google Play



WaveMed
App Store



vWaveMed
Google Play



vWaveMed
App Store

SCAN THE PATCH. SAVE A LIFE.

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