

For industrial sites

MINING · OIL AND GAS · CONSTRUCTION · MILITARY · OFFSHORE

Where signal and hospitals are far, a colleague's phone is the first aid post.



Mine tunnels, offshore platforms, training grounds, high-rise sites. When something happens, the nearest person is a colleague. The patch inside the hard hat shows blood type, allergies and the safety officer's number on the colleague's phone.

Locate

Tap

The blue cross on the body

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 INDUSTRIAL SITES

Industrial accidents happen in tunnels without signal, on platforms far from land and on sites more than an hour from a hospital. First aid is given by a colleague, not a medic, and the colleague does not know the injured worker's blood type or conditions. RadPatch on the hard hat, workwear and boots reads without internet and shows the safety officer's and family's numbers. The site medical post registers everyone with the Desktop Writer.

02 · IN MOMENTS LIKE THESE

Tunnel section 2, 10 a.m.

- 10:20** A rockfall knocks a worker unconscious. Twenty minutes to the surface, no signal.
- 10:22** A colleague reads the patch inside the hard hat: blood type A–, on anticoagulants, the safety officer's number. He reports exactly to the surface medical post.
- 10:50** The medical post prepared for bleeding knowing about the anticoagulant. The helicopter hospital had the information before arrival.

How it is used

Mining and tunnelling

A sticker inside the hard hat, read on a colleague's phone in tunnels with no signal.

Construction

The safety officer's number on every patch; foreign workers register in their own language.

Site medical post

Everyone registered with the Desktop Writer, updated at shift change; the reader app on the post's phone.

Oil, gas and offshore

Silicone that survives sea water and oil, on the sleeve and boots.

Military and training

Uniform collar and cap. Blood type and allergies read at once by the medics.

Multinational workforce

26 languages. Stored in the worker's language, read in the medic's.

Where it goes



Mining



Oil and gas



Construction



Military

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.

Even in a disaster like the Nepal earthquake

When cell towers fall and the power goes out, hospital servers and the cloud are unreachable. RadPatch is read with a single rescuer's phone. A foreign rescue team sees your blood type and allergies in their own language. Where there is no communication, the information on your body is the only information there is.

03 · NO PATCH NEEDED. THE APP ALONE

Far from signal and hospitals, the app is already on site.

The free WaveMed app your workers use keeps medication and check-up records and emergency details in 26 languages, no patch needed. On sites with no address, satellite location sharing and the emergency room finder take over.

KEYWORDS FOR THIS AUDIENCE

Lock-free emergency info

Satellite location sharing

ER finder · ride hailing

26-language emergency info

Medicine Finder · INN

Check-up results in one place

Vaccination record as PDF

Medication schedule · Completed

01 Before the shift

“In a week of rotating shifts, can a worker be sure they 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.

“Before work at height or in heat, can a worker say where their blood pressure and heart rate have been, from a record?”

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".

“The annual workplace check-up results: still sitting on paper in a locker?”

CHECK-UP RECORD

Keep each year's results in one place and watch how the numbers have moved. Photograph the printout and it goes in beside them. No hunting through a drawer for last year's.

02 Posted overseas

“Posted to a site overseas, can a worker show 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.

“Injured on assignment, can a worker pull up the insurance certificate and claim papers right there?”

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.

“On a multinational crew, can a worker's 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.

“At a pharmacy near an overseas plant, how does a worker check the box they are handed is really their 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.

03 · NO PATCH NEEDED. THE APP ALONE · 2

03 When something happens

“On a plant or building site with no address and no signs, how do you report exactly where the accident is?”

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.

“Far from any hospital, can you find the nearest emergency room or open pharmacy straight away?”

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.

“At a remote site where an ambulance is a long wait, how are you calling a car to the hospital?”

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

“Is each worker's blood type, allergies, medication and emergency contact 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.

“Unconscious in a tunnel and unable to speak, who tells them the worker's blood type and medication?”

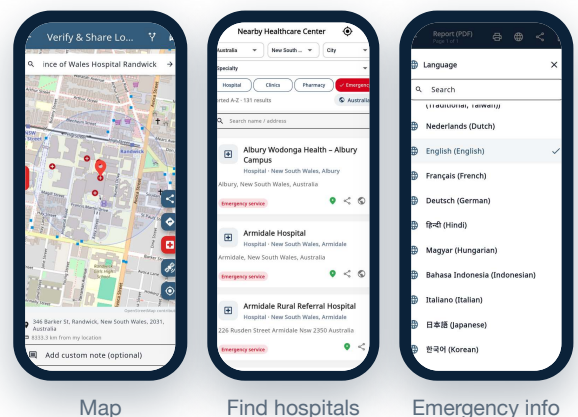
EMERGENCY INFO

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.



Map

Find hospitals

Emergency info

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

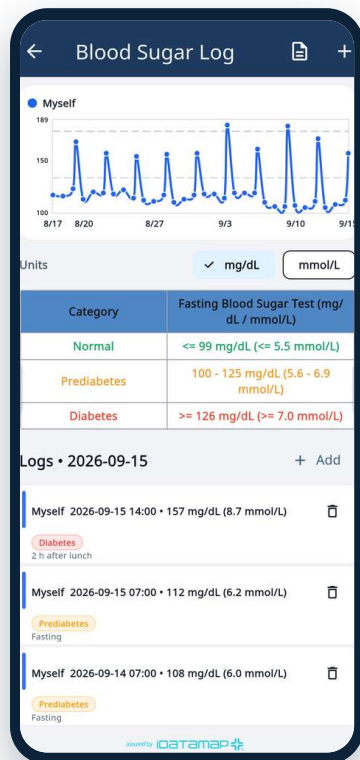
Only genuine, certified patches can be written by the apps. Supplied to partners worldwide.



05 · HEALTH MANAGEMENT IN THE APP

Numbers kept as records. Trends shown as graphs.

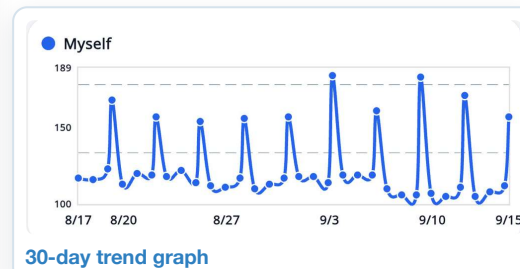
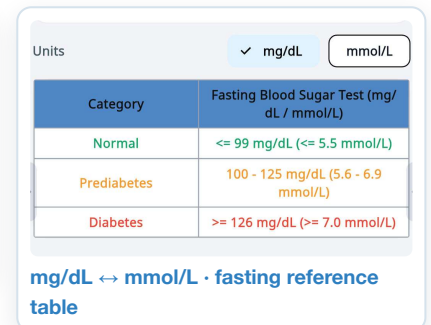
Blood sugar, blood pressure, medication, supplements and vaccinations. Log them by date and the app builds the calendar and a 30-day trend graph, ready to export as a PDF. No patch and no account needed to start today.



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.



mg/dL ↔ mmol/L together

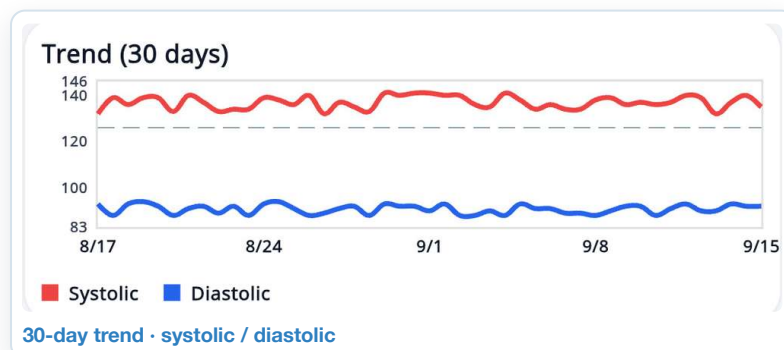
Fasting · 2 h after a meal

Calendar · PDF export

02

Blood pressure and heart rate at a glance

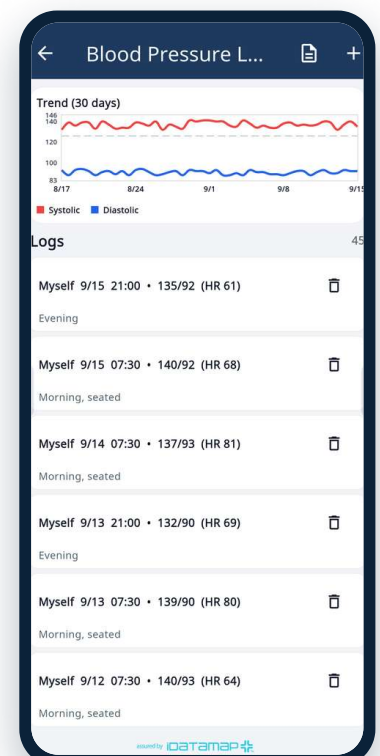
Systolic and diastolic pressure draw side by side as a 30-day trend. Every entry keeps the heart rate (HR) and a note such as "morning, seated" or "evening", so you know how each reading was taken.



Systolic · diastolic 30-day trend

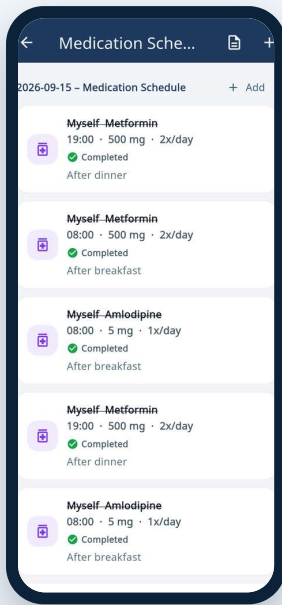
Heart rate on every entry

Notes on how it was measured



05 · HEALTH MANAGEMENT IN THE APP · 2

Medication, supplements, vaccines, and one dashboard.



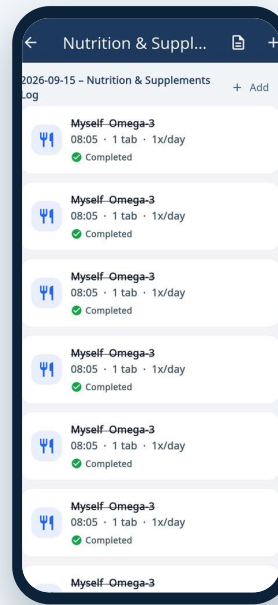
03

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



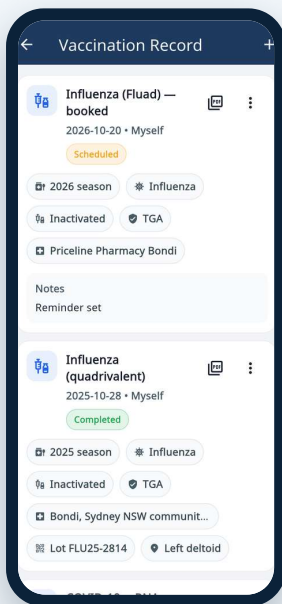
04

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



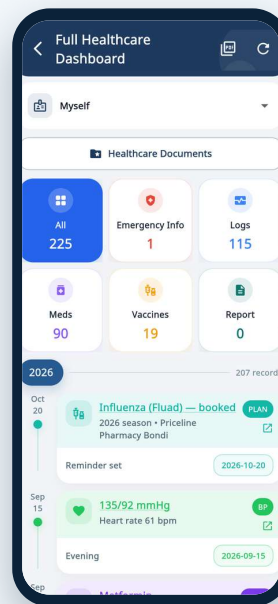
05

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



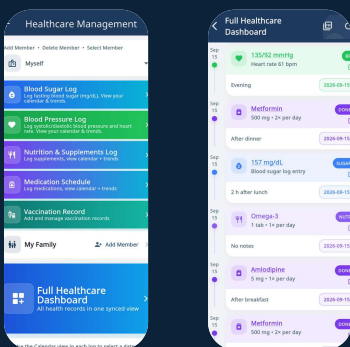
06

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.

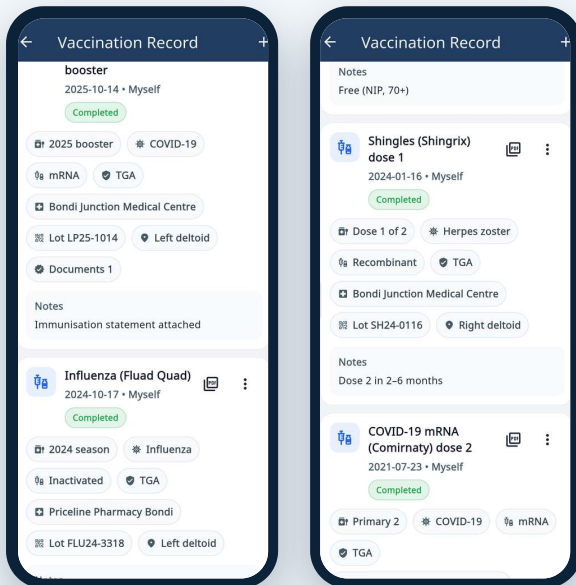
05 · VACCINATION CERTIFICATES AND DOCUMENTS

Certificates attached to the record.

Papers filed by folder.

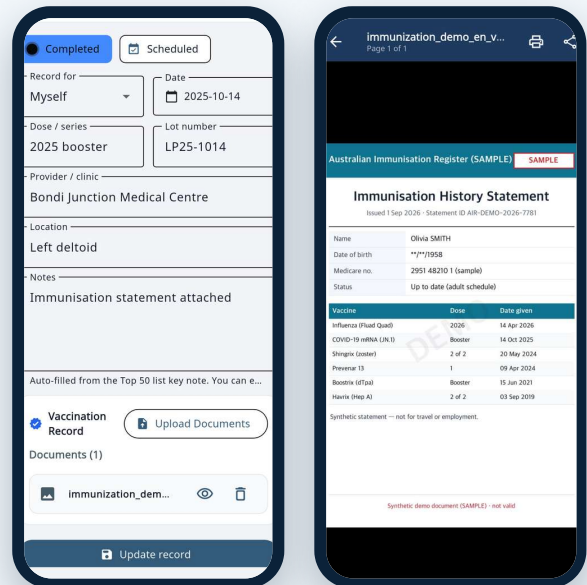
Vaccination history, travel vaccines included

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.



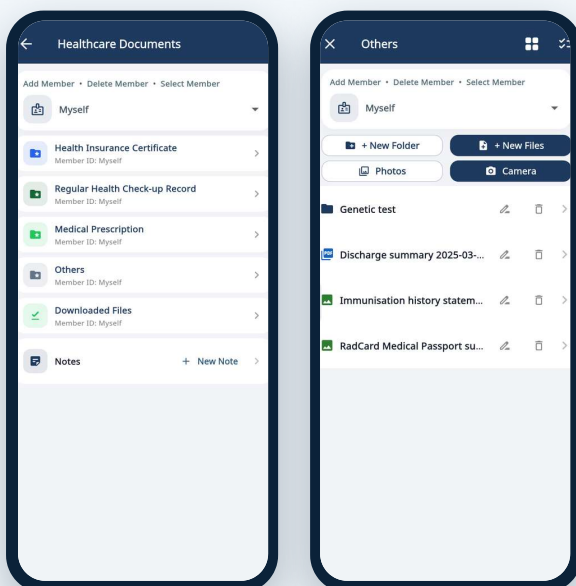
Attach the certificate to the record

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.



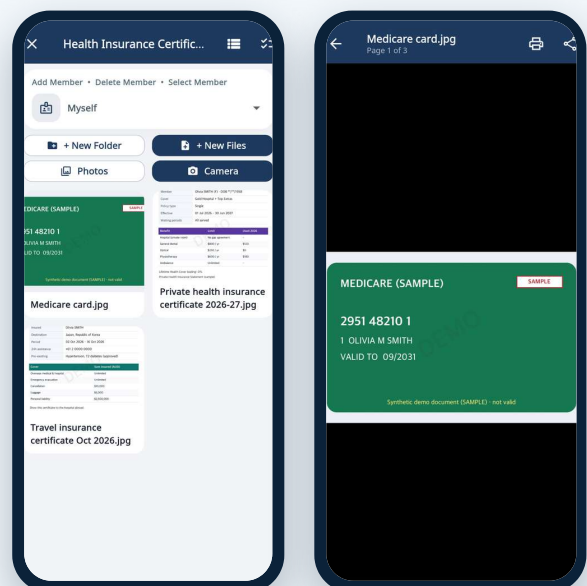
Healthcare documents, filed by folder

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.



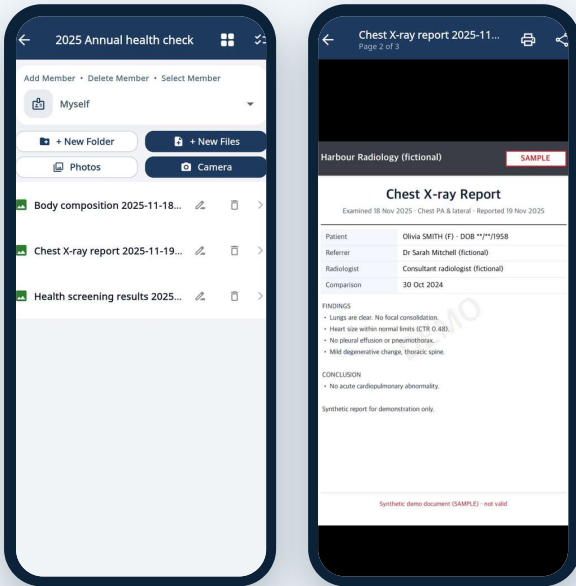
05 · CHECK-UPS, PRESCRIPTIONS AND LANGUAGES

Paper kept as photos.

Emergency info and medicines in their language.

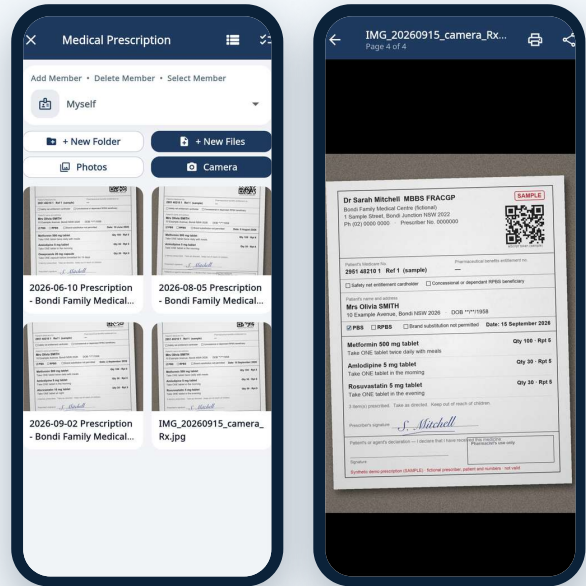
Check-up records, one folder a year

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.



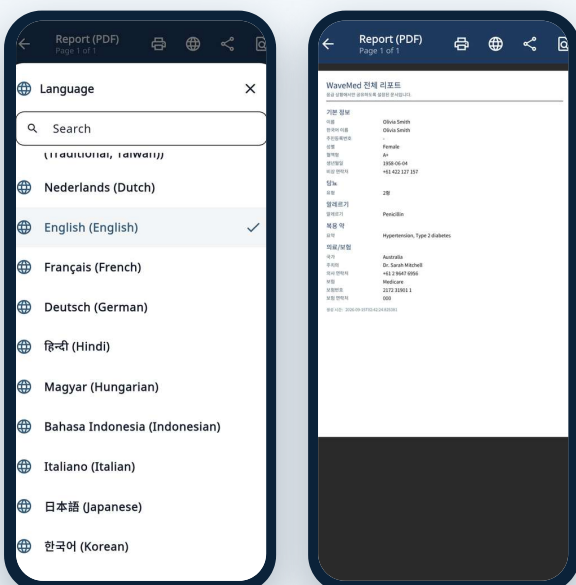
Upload a prescription with the camera

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.



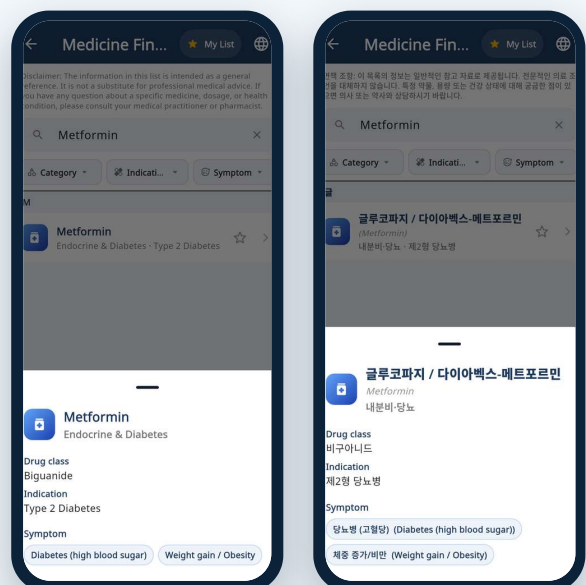
Emergency report: pick a language, on the spot

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.

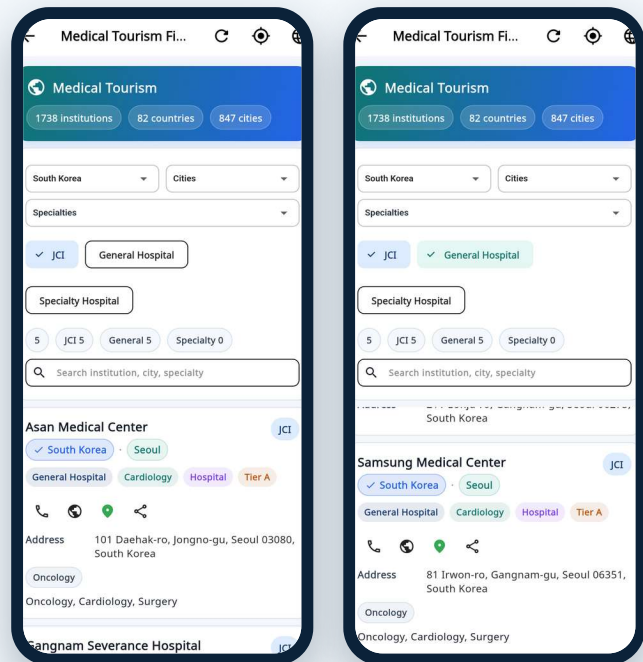


05 · ABROAD, AND WHEN IT IS URGENT

Hospitals and the way there, even somewhere new.

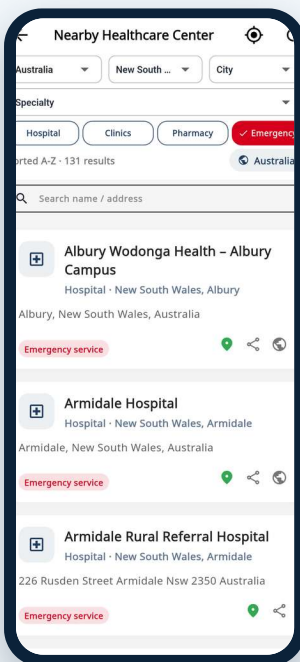
Medical tourism: 1,738 facilities in 82 countries

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.



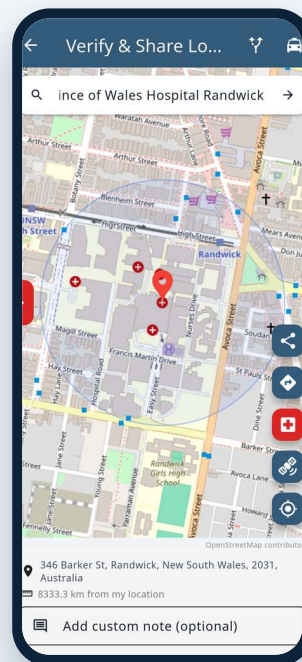
Nearby medical centres: find an emergency room

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

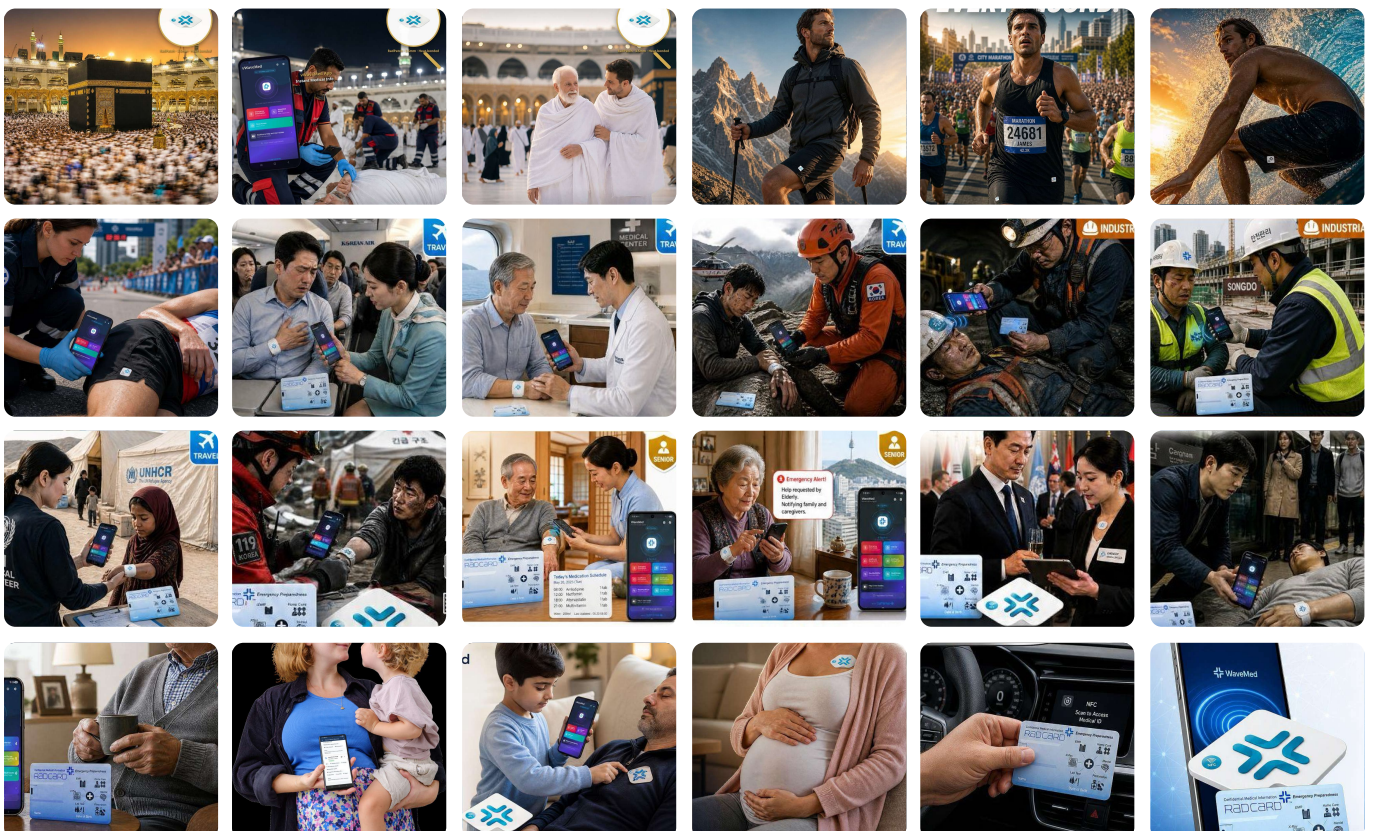
Search a place and the map shows the pin and the hospitals around it, with the address and the distance from where you are. Share, directions and ride buttons sit on the map, and you can add a note before sending.



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



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 it survive oil, dust and impact?

A silicone body with a sealed chip. Placed where it is protected from impact, such as inside the hard hat, it lasts.

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 builders, energy companies and the military

1. Pilot at one site: hard-hat patches, the Desktop Writer, thirty minutes of training for the medical post and safety officers.
2. A multilingual registration guide for foreign workers.
3. Response cases extend it to all sites.

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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