



# DHIS2 Package for Hypertension Control Programs

The DHIS2 Capture app lets you track hypertension patients in real time, powering functional dashboards for program surveillance.

## About

Developed by the Federal Ministry of Health in Nigeria in collaboration with WHO-Nigeria and the University of Oslo, the **DHIS2 Hypertension Control Package** supports management of hypertension control programs at the primary care level using the free and open-source DHIS2 software. The configuration is appropriate for national-scale programs and high patient-load clinical environments. Already in use in a large-scale hypertension control program in Nigeria, this DHIS2 package is now available to any country in the world.

## DHIS2 Mobile Capture App

Using the standard DHIS2 Capture Android application or a web browser, health care workers can easily manage blood pressure measurements, record medications and schedule follow-up visits. Minimal data entry takes place at the point of care, which fits into busy clinical workflows. By improving digital interoperability, the package reduces paperwork, saves time, and reduces loss to follow-up in your hypertension control or other primary care program. The mobile Android app is easy to learn and fast to use.



### Offline-first

Works in places with intermittent internet access



### Quick patient look-up

Use QR code IDs to identify patient records quickly and reliably



### Easy data entry

Fast, so health care workers can focus on patient care



### Longitudinal records

Record BPs and medicines at each patient visit



### Drugs pick-list

Collect simple, consistent medications data for each patient



### Overdue lists

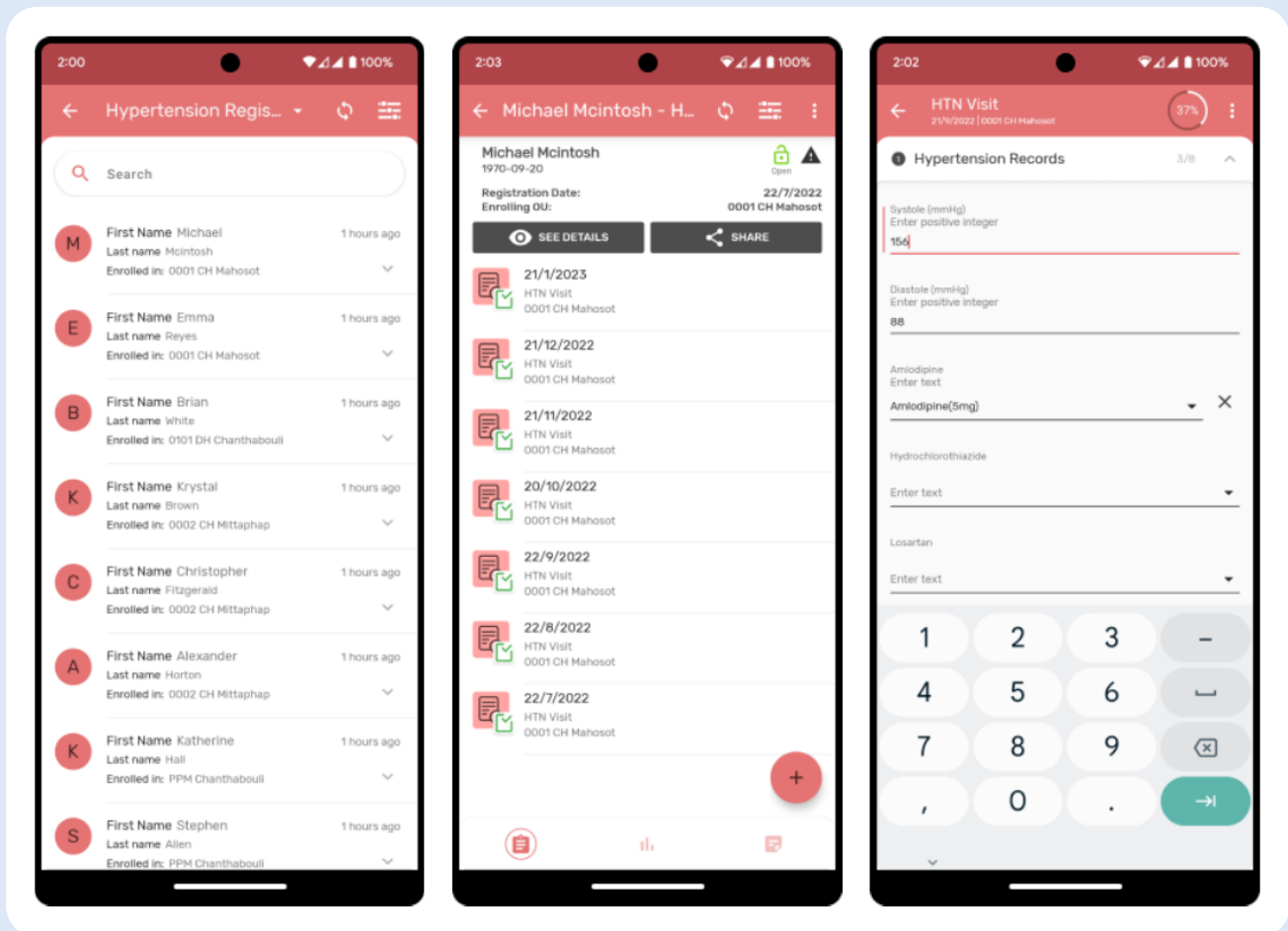
Follow up with patients who miss regular visits

## Efficient Data Capture

The DHIS2 program is optimized to capture only data that both improves patient care and drives key indicators for health system managers:

- Patient demographics: Name, age, sex, mobile, address
- Unique patient ID with QR code, for fast look-up
- Blood pressure measurement at every visit
- Medications from every visit
- Dates of future appointments

## The DHIS2 Capture App



IMAGES: The DHIS2 Tracker app, used to power the hypertension control program in Nigeria (not real patient data)

## DHIS2 Hypertension Control Dashboard

Using the data collected during patient visits, the dashboard shows trends to be used by program managers and Ministries of Health to effectively manage their hypertension control programs. Reports are available from the facility level up to the national level. Receive real-time reports tracking how many patients return to care and how many of those patients have their blood pressure controlled. Also, cohort reports give visibility into early effectiveness of the program.

### Key Indicators That Support the WHO HEARTS Technical Package



#### Hypertension control outcomes

Track the percentage of patients who return to care with controlled blood pressure in a 3-month period—the key outcome metric for evaluating a hypertension control program.



#### Lost to follow-up

Monitor how many patients are lost to follow-up and get feedback on the effectiveness of patient retention measures.



#### Enrollments

Track monthly and cumulative enrollments in the hypertension program.



#### Quarterly cohort monitoring

Measure patient outcomes in the quarter post-enrollment to gauge how well the program is working for newly enrolled patients.

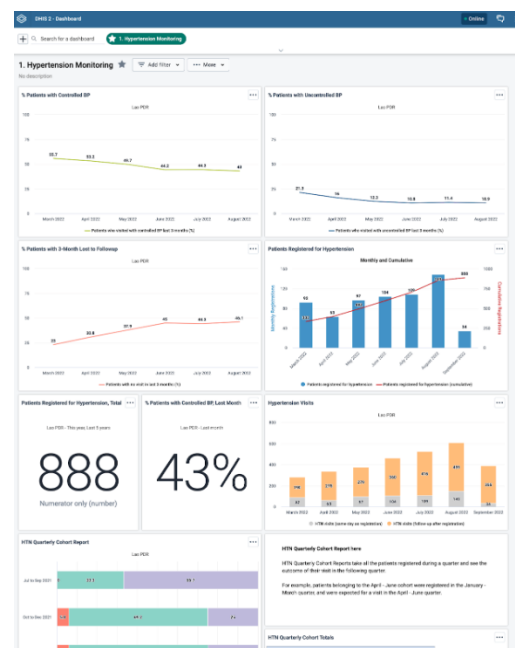
### Example Dashboard

The DHIS2 dashboard gives your team visibility at every level of the hypertension program. View reports for individual facilities, districts, regions, states, or at the national level.

Most importantly, you can track hypertension control over time, revealing opportunities for improvement: the key to a successful hypertension control program.

The dashboard is a real-time view of the program, giving your team the feedback loops it needs to see the effects of interventions and improve efficiency and efficacy.

[Demo the dashboard here](#)



## Links

[Hypertension metadata package at DHIS2](#)

[Demo dashboard](#)

[WHO HEARTS technical package](#)

## Contact

### HISP Centre / DHIS2 University of Oslo

Brian O'Donnell

[brian@dhis2.org](mailto:brian@dhis2.org)

### HISP Nigeria

Barnabas Akumba

[akumbabarns@hispnigeria.org.ng](mailto:akumbabarns@hispnigeria.org.ng)

### Resolve to Save Lives

Danielle Cazabon

[dcazabon@resolvetosavelives.org](mailto:dcazabon@resolvetosavelives.org)

## Credits

This package is developed by the [Nigeria HISP team](#) for the Nigeria [Federal Ministry of Health](#), in collaboration with [University of Oslo](#), [WHO Nigeria](#) and the [World Health Organization](#). [Resolve to Save Lives](#) is a supporting partner.