



Once Upon a Time

Introduction to DHIS2

My notes

Narration

DHIS2 – Starting out



Narration

DHIS2 is a product of the Health Information Systems Program, known as HISP.

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DHIS2 – Starting out



1994

Narration

HISP is a global action research network, initiated jointly by the University of Oslo and the University of Western Cape in South Africa in 1994,

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DHIS2 – Starting out



Norwegian Agency for
Development Corporation



Norad

HISP



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UiO
University of Oslo



UNIVERSITY of the
WESTERN CAPE

1994

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with funding from the Norwegian Agency for Development Corporation, Norad..

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DHIS2 – Starting out



District Health
Information
Software

HISP



UiO
University of Oslo

DHIS



UNIVERSITY of the
WESTERN CAPE

South Africa



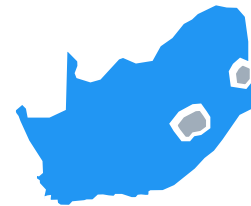
1996

Narration

As a result of the HISP collaboration, the District Health Information Software, or DHIS, was launched in South Africa in 1996, starting in one district and

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DHIS2 – Starting out



South Africa

DHIS becomes national standard

1999

Narration

becoming their national standard health information system in 1999.
From its initial conception, the core aim of DHIS2

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DHIS2 – Starting out



DHIS2 supports local
management of
healthcare delivery



1999

Narration

has been to support local management of health care delivery and information flows in low and middle-income countries.

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DHIS2 – Starting out



DHIS2 → Digital Public Good

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To that end, we share our software, DHIS2, globally as a digital public good.

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DHIS2 – Original features



DHIS

Narration

The original DHIS software functioned using local, offline databases,.

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DHIS2 - Original features



DHIS



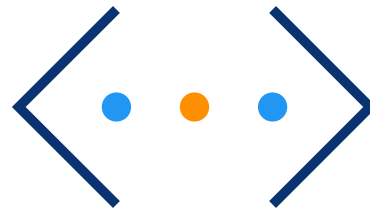
- ~~Aggregating data~~
- ~~Sharing data~~
- ~~Scaling up~~

Narration

but this resulted in challenges in aggregating & sharing data, as well as scaling up implementations over time.

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DHIS2 - Evolution



DHIS2 development begins

2004

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As a result, in 2004, development of a web-based DHIS2 began at the University of Oslo.

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DHIS2 functionalities



Web-based



Users can enter
and access their
data anywhere

Latest
technologies



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As DHIS2 is web-based, users can enter and access their data anywhere with internet connectivity. This model is still being expanded upon today, as DHIS2 incorporates the latest web-based technologies to improve DHIS2's performance and increase its functionality.

DHIS2 functionalities



- Offline data entry
- Mobile application

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This includes offline data entry for areas with internet connectivity challenges, and the incorporation of a mobile application for Android devices.

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DHIS2 functionalities



- First DHIS2 implementation



2006

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The first implementation of the web-based DHIS2 software was launched in 2006 in Kerala, India.

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DHIS2 functionalities



Collection of individual data

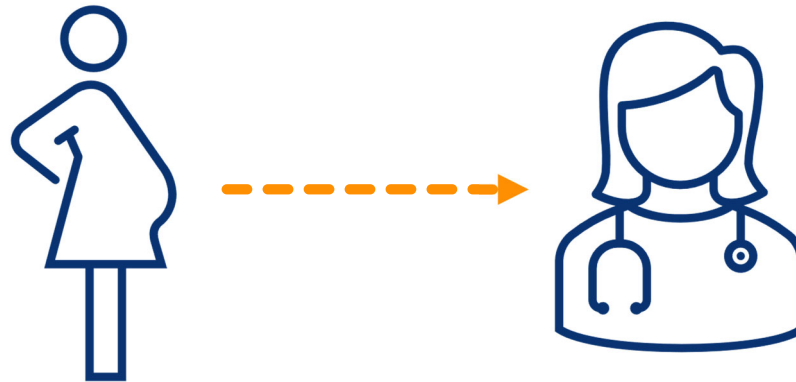
2009

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In 2009, DHIS2 added components that allowed for the collection of individual data.

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DHIS2 functionalities



2009

Narration

This was in direct response to requirements in Kerala where prospective mothers were tracked through their Antenatal care services.

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DHIS2 functionalities



DHIS2 Tracker

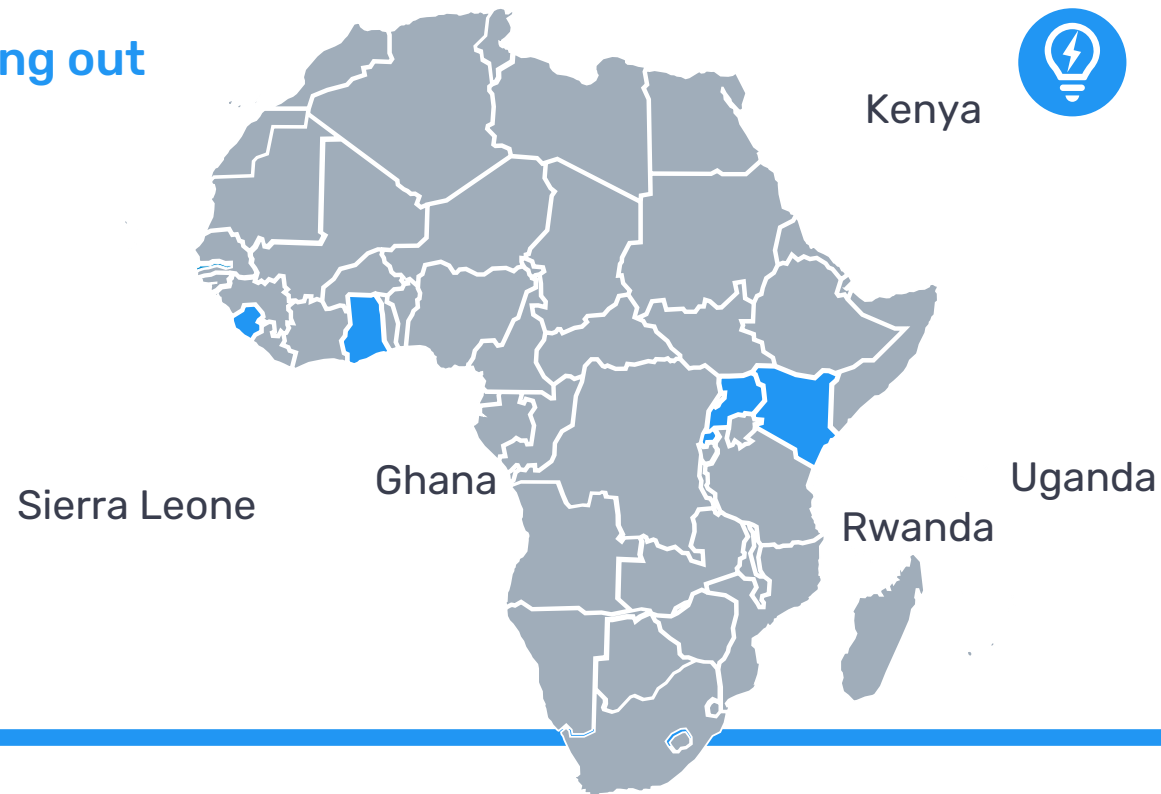
2009

Narration

This individual data model eventually evolved into DHIS2 tracker.

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DHIS2 – Branching out



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2007 saw the first implementation of DHIS2 in Africa, starting with Sierra Leone. This was followed in 2010 by Kenya, then Ghana, Rwanda & Uganda.

DHIS2 Academy

UiO : **University of Oslo****HISP**

Regional DHIS2 academies led by the HISP network

Self-paced courses

2017

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In 2011 the DHIS2 Academy training program began. The University of Oslo, in collaboration with HISP groups, offers regional DHIS2 academies every year on key DHIS2 topics. Since 2017 the university has also run the DHIS2 Online Academy, which provides online courses for self-paced study.

DHIS2 partnerships



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DHIS2 as a national platform



Africa



Asia



Latin America

2012
2013

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In 2012 and 2013, adoption of DHIS2 as a national platform for routine health information continued in Africa, Asia and Latin America,

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DHIS2 partnerships



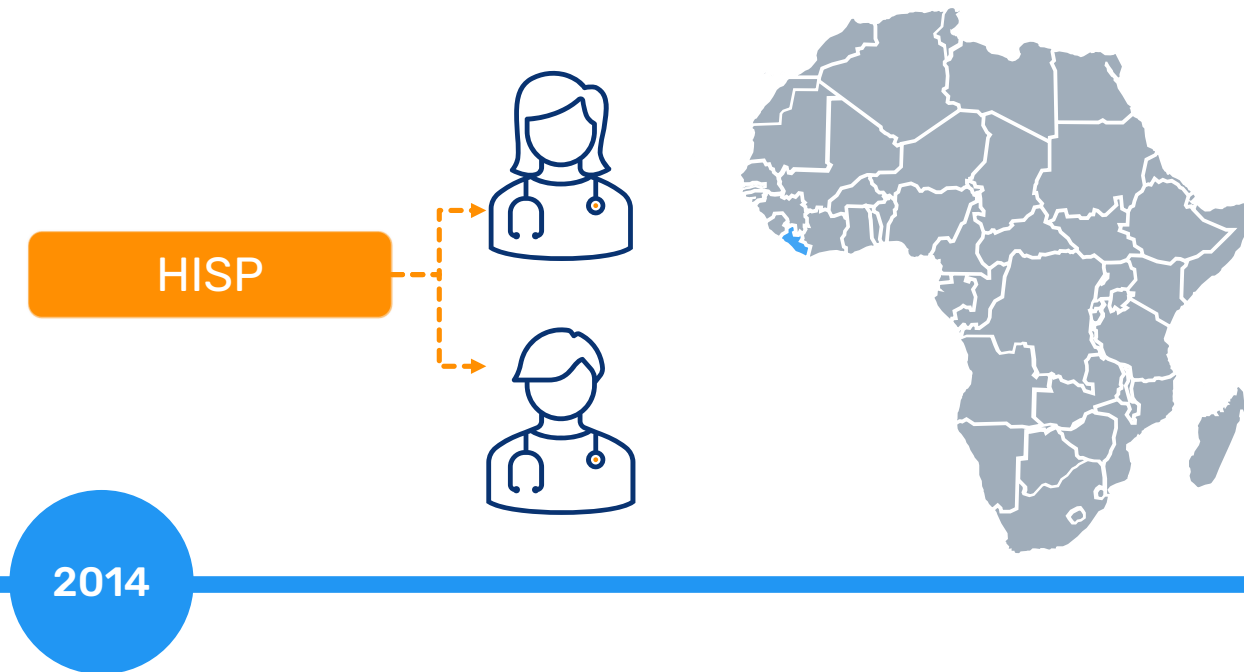
2012
2013

Narration

with support from Norad, the Global Fund, and PEPFAR.

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Ebola response

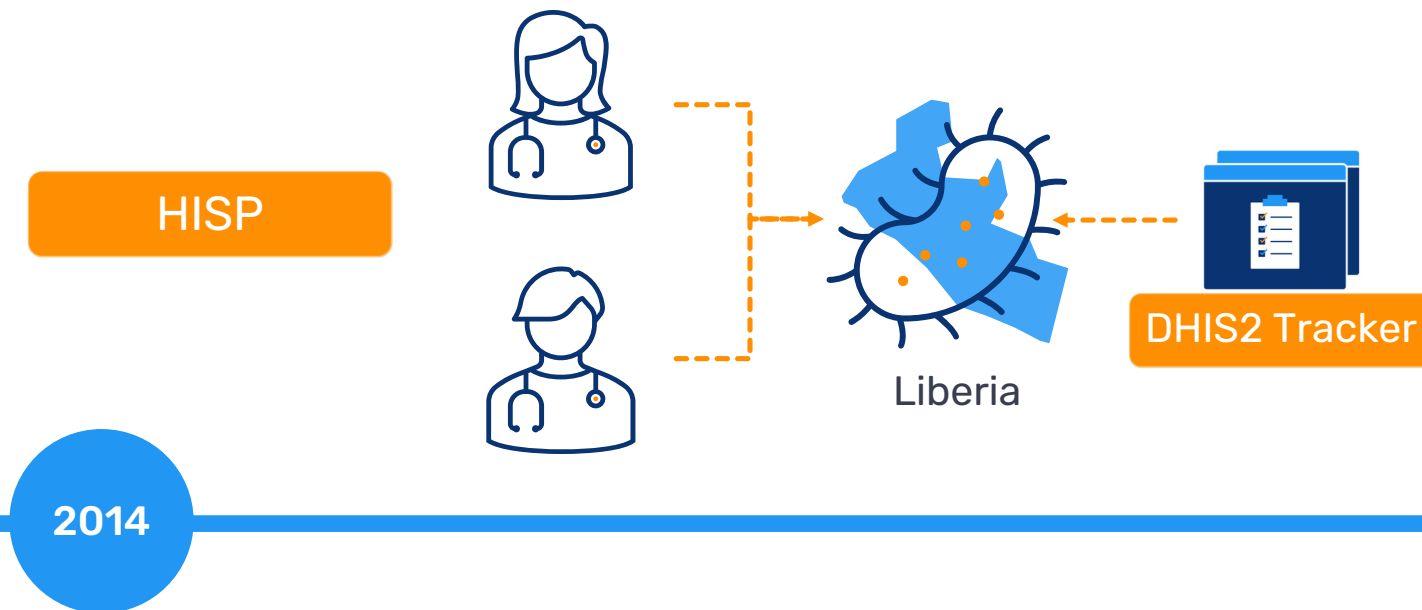


Narration

In 2014, the HISP network assisted health authorities in

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Ebola response



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Liberia in deploying DHIS2 Tracker for the Ebola outbreak response.

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DHIS2 partnerships



BILL & MELINDA
GATES foundation

Gavi
The Vaccine Alliance

CDC
CENTERS FOR DISEASE
CONTROL AND PREVENTION



2014

Narration

With the support of the U.S. Centers for Disease Control and Prevention, the Gates Foundation, Gavi, and other partners, The initial Tracker models deployed in Liberia there have since been expanded upon for case-based surveillance of other diseases, including COVID-19.

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DATIM: A PEPFAR version of DHIS2



Standard sharing

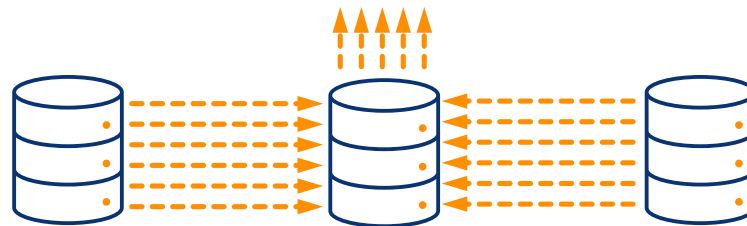
Collating data



DATIM
Accountability • Transparency • Impact



PEPFAR
U.S. President's Emergency Plan for AIDS Relief



2015

Narration

In 2015, DATIM was launched, a PEPFAR-specific version of DHIS2. DATIM is used by PEPFAR in more than 50 countries. DATIM continues to be one of the largest examples of a global data warehouse within DHIS2; sharing standards and collating subnational HIV data routinely across large and varied geographies.

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UiO: WHO Collaborating Centre



UiO : **University of Oslo**



**World Health
Organization**

WHO Collaborating Centre
Health information systems strengthening

2017

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In 2017, UiO became an official World Health Organisation Collaborating Centre for Innovation and Implementation Research for health information systems strengthening.

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Metadata packages



Metadata Package

2017

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This collaboration led to the metadata package concept, a method of sharing best practice configuration and functionality, developed by DHIS2 and health subject matter experts.

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DHIS2 Community of Practice



2018

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2018 saw the DHIS2 Community of Practice launch, providing an online portal to help the community of DHIS2 practitioners to connect with each other and share best practice globally.

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DHIS2 as EMIS



2019

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2019 saw DHIS2 being piloted as an Education Management Information System

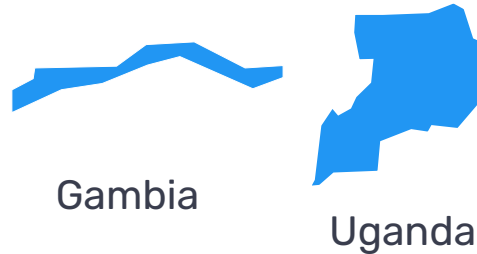
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DHIS2 as EMIS



- School & infrastructure management
- Student tracking

Education
Management
Information System



Gambia

Uganda

2019

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in the Gambia and Uganda, extending the use of DHIS2 into the education domain, for school and infrastructure management, student tracking, and more.

COVID-19 response



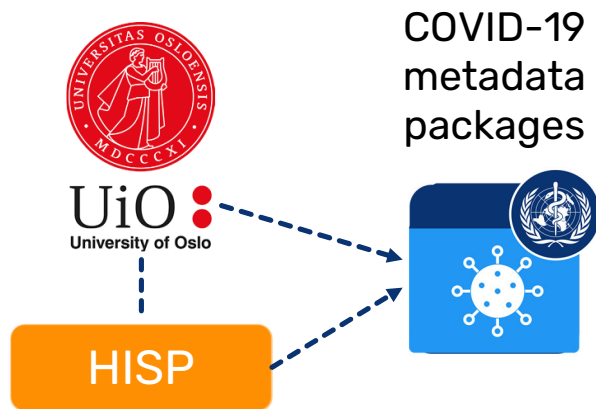
2020

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In 2020, DHIS2 was quickly adopted to combat the COVID-19 pandemic.

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COVID-19 response



- Case-based surveillance
- Contact tracing
- Ports of entry programs

2020

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The University of Oslo worked with the HISP network to launch COVID-19 metadata packages that allowed countries to rapidly implement Case-based Surveillance, Contact Tracing and Ports of Entry programs.

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COVID-19 response



New metadata
packages



2021

Narration

In 2021, new metadata packages were released to support delivery of COVID-19 vaccines, based on previous work developing the DHIS2 immunization toolkit with the support of WHO, Unicef, and Gavi, the vaccine alliance.

My notes



Digital
Public
Good



UiO
University of Oslo

HISP



BILL & MELINDA
GATES foundation

dhis2

The Global Fund



PEPFAR
U.S. President's Emergency Plan for AIDS Relief



Norad



World Health
Organization



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DHIS2 continues to evolve thanks to the work of the core DHIS2 team and HISP network, the support of our international partners, and the input of global DHIS2 community, who help sustain DHIS2 as a global public good that can adapt to meet the health information needs of the future.

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UiO : **University of Oslo**

www.dhis2.org/academy

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