



Global skalering av DHIS2 for COVID-19 overvåkning og vaksinasjon

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Twitter: @dhis_2

Les mer: dhis2.org/covid-19

Historier: dhis2.org/category/covid-success-stories



Rwanda bruker DHIS2 til COVID-19 testing og vaksinasjon - integrert med nasjonalt ID system og papirløst.

Hvordan open source software fra UiO håndterer COVID - 19 data globalt







1502-535/12

GUSL/ODCF/MDS/SP/00

CONFIDENTIAL

DHIS2 og Health Information Systems Program



Search for a dashboard

05. COVID-19 Surveillance (Aggregate)

HIV Burden

HIV District (SNU2)

HIV Facility

HIV National

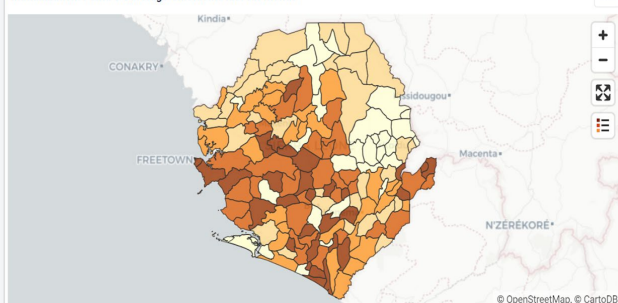
Immunisation

Immunisation maps

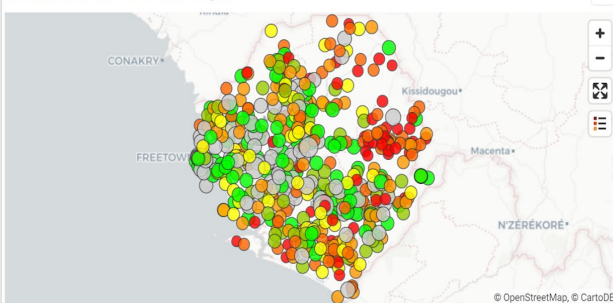
Malaria Burden Reduction

Malaria Elimination

Immunization: Penta 3 Coverage Chiefdoms last six-month



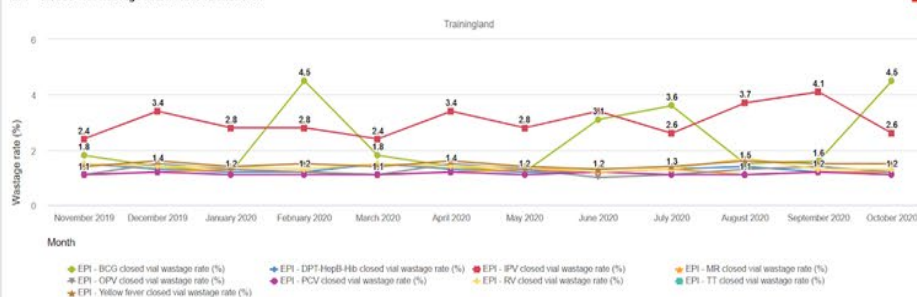
Immunization: Measles Cov Facilities this year



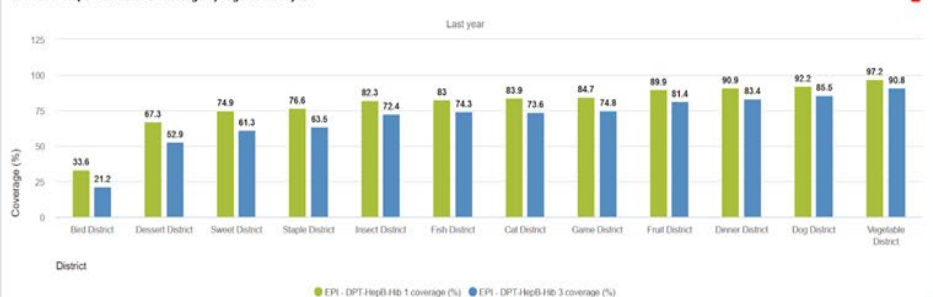
Immunization: Indicators last 12 months with legend set

	BOC Coverage <1y	Dropout rate Penta 1-3	Dropout rate Penta 1-Measles	FIC <1y	Measles Coverage <1y	OPV 0 Coverage
Bo	87.4	23.7	29.9	59.9	64.6	
Bombali	78.8	24.9	21	1%	68.7	
Bonthe						
Kallahun	46.9	13.6	12.5	52.2	55.6	
Kambia	89	40.6	30.8	51.5	65.7	
Kenema	87.2	8.3	11.4	63.3	67.2	
Koinadugu						
Kono	63.5	24.5	18.5	48.3	54.9	
Moyamba	119.1	21.7	22.1	89.4	82.3	
Port Loko						
Pujehun	1.1	25	0	1.8	1.8	
Tonkolili	102.3	17.9	3.2	92.1	104.1	
Western Area	128.9	20.5	14.7	81	88.9	
Subtotal	802.4	170.6	162.7	657.9	662.9	

EPI - Closed vial wastage rates - last 12 months



EPI - DPT-HepB-Hib 1 and 3 coverage by orgunit - last year



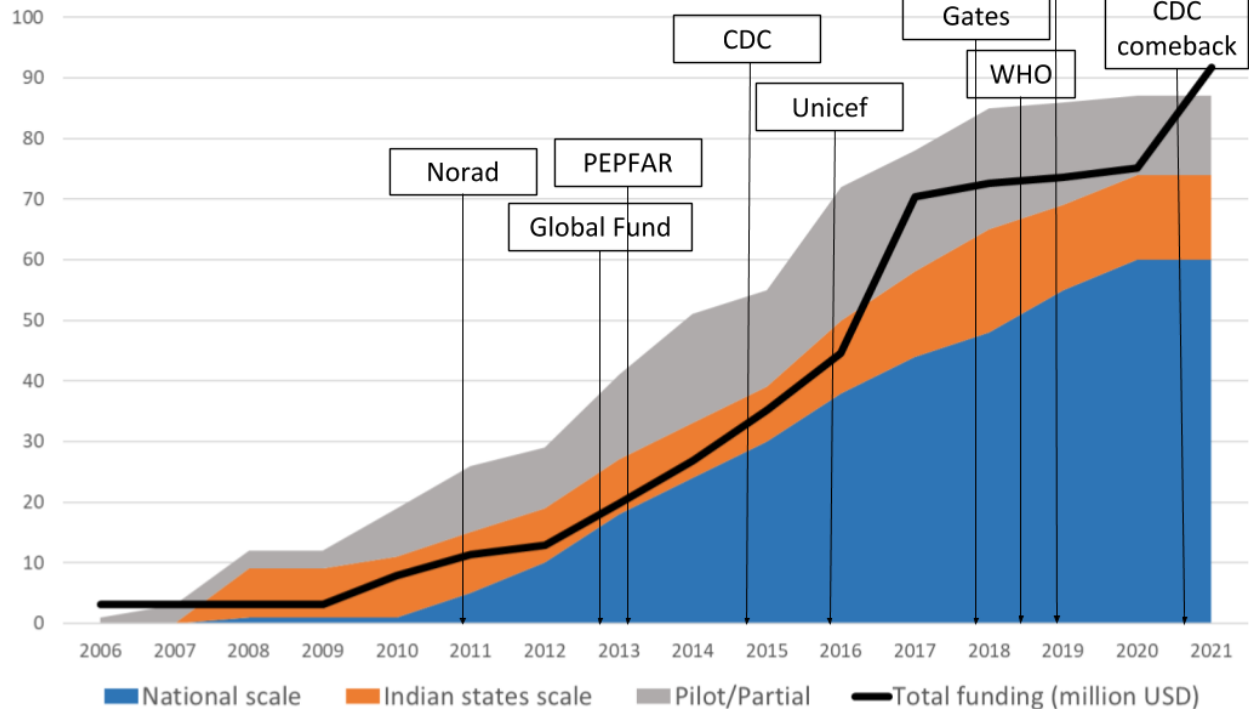
DHIS2 som digitalt felleskode



DHIS2

Page · 4.3K like this · Educational Research Center

DHIS2 country adoption and core funding trend 2006-2021



Sep 18, 2020 · ... - Prime Minister of Norway, Erna Solberg presenting #DHIS2 as an example of a digital public good during her opening remarks at New America's event...



GLOBAL VIEWS | DATA AND DEVELOPMENT

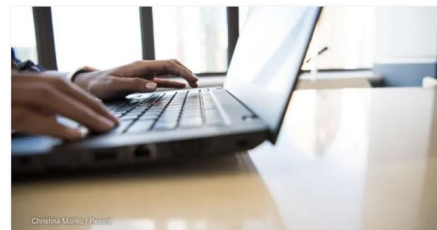
Opinion: The time is now for digital public goods

By **Bård Vegar Solhjell** // 06 May 2021

Research

Innovation & ICT

Global Health

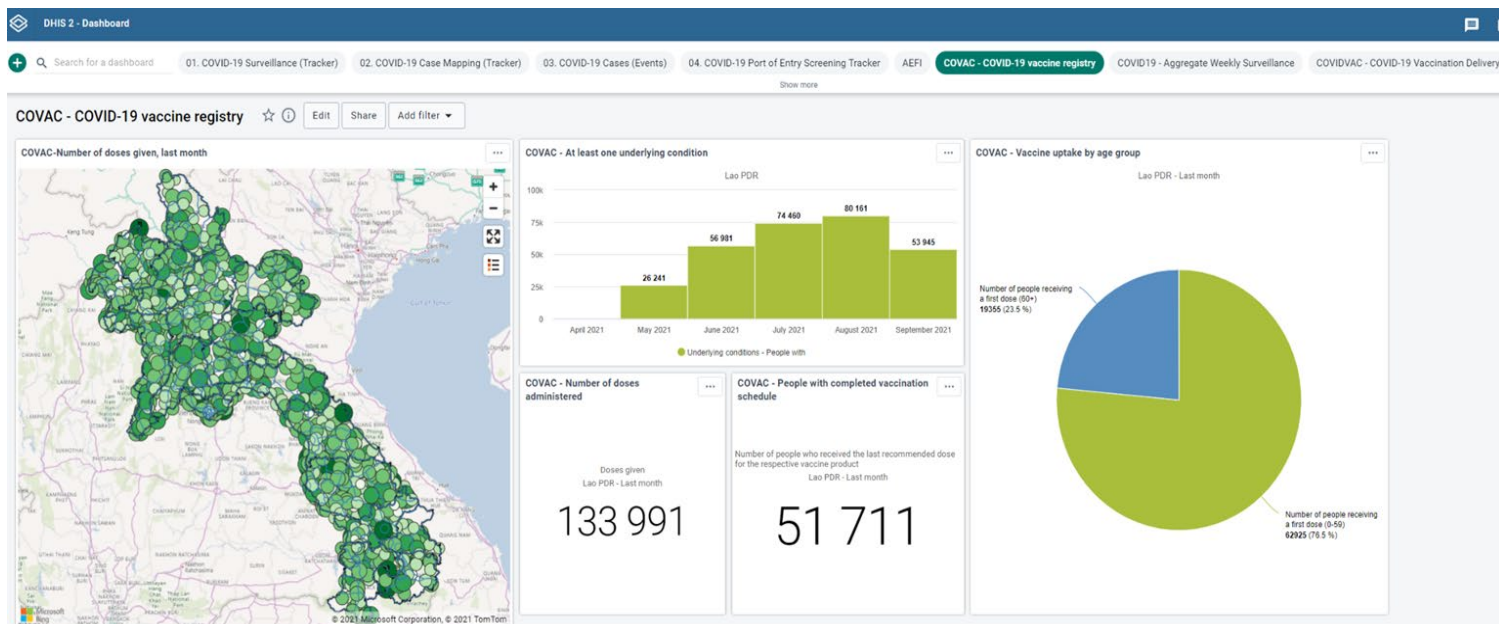


DHIS2 for COVID- 19

Overvåkning

Vaksinering

Smittsparing



13:25 11 89%

Vaccination

8/1/2021 | Cardinal Hospital Gateway PHC

100%

Data Notes

1 Underlying Conditions 1/1

2 Pre-immunization Questions 1/1

3 Vaccination information 6/6

Vaccine type

Choose option

COVAX3

Batch number for this dose

Enter text

124-36789-00

Date of dose expiration

Choose date

20/1/2023

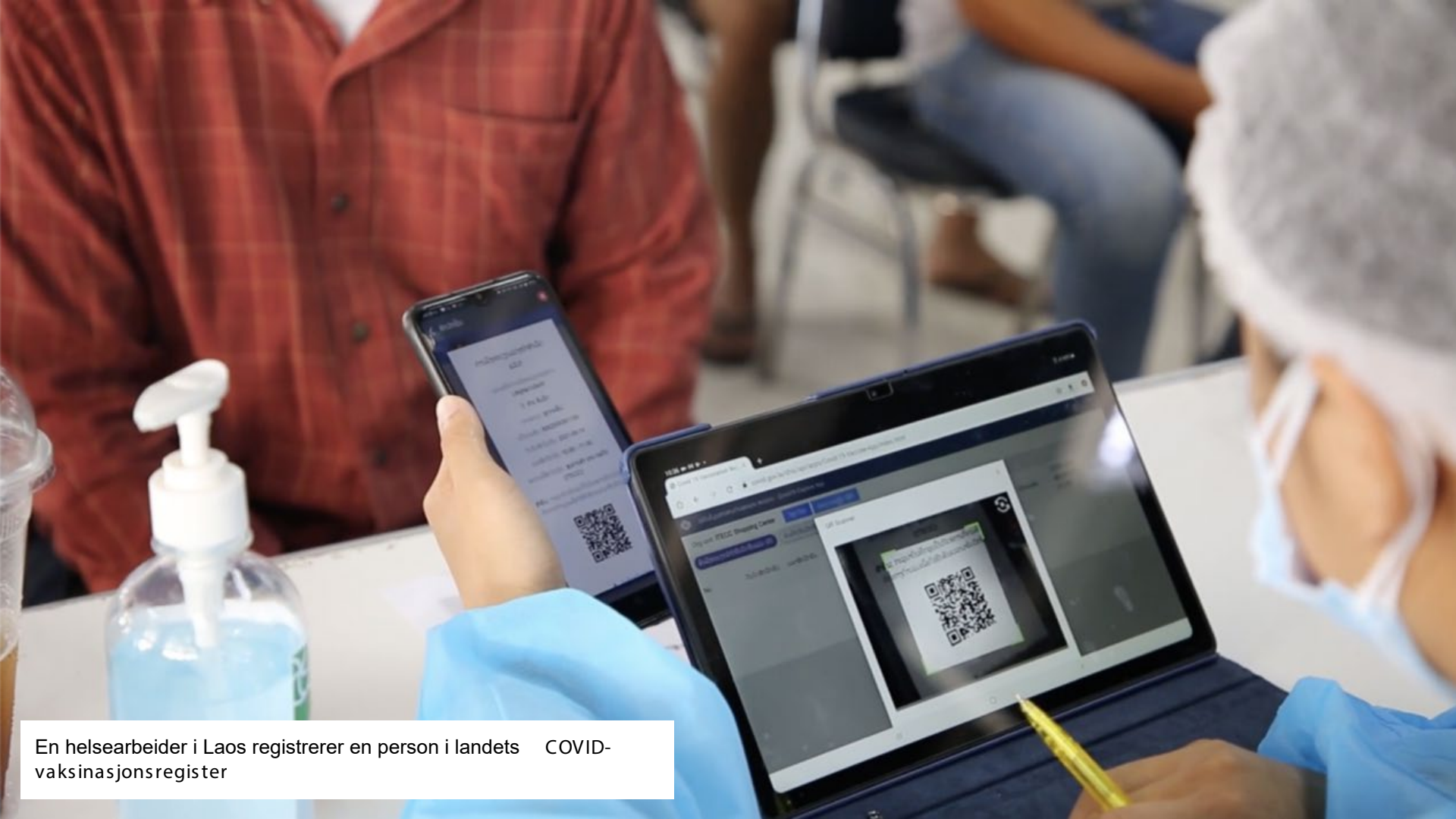
Dose number

Choose option

1st dose

Is this the last dose?

yes no



En helsearbeider i Laos registrerer en person i landets COVID-vaksinasjonsregister



Uganda bruker DHIS2 til COVID- 19 innreiseregistrering, testing og vaksinasjon.



Klare for å reagere raskt og skalere raskt

25 Jan 2020

WHO ber offisielt land om å være klare til å støtte testing, sporing og oppfølging

28 Feb 2020

WHO publiserer tekniske retningslinjer for C-19 overvåkning

12 Mar 2020

WHO erklærer COVID-19 som pandemi

Mars/April 2020

Norske kommuner undersøker ulike smittesporingsløsninger, inkludert DHIS2

29 Jan 2020

Sri Lanka prodsetter DHIS2 for C-19 innreiseregistrering

11 Mar 2020

UiO publiserer C-19 verktøy

14-15 Mar 2020

DHIS2 Hackathon på Sri Lanka

19 Apr 2020

KS beslutter å tilby DHIS2 for smittesporing til norske kommuner

Mai 2020

DHIS2 i bruk i 27 land til COVID overvåkning

Oct 2020

36 land bruker DHIS2 i sin respons på COVID-19, med ytterligere 18 land under utvikling

2021:

Rask utvikling og adopsjon av av COVID-19 vaksineverktøy

Norad (50 MNOK), GAVI (20 MNOK+) og CDC (10 MNOK) øker finansieringen for å støtte vedlikehold og skalering

41 land bruker DHIS2 for COVID-19 overvåkning

DHIS2 in action

DHIS2 is in use all over the world. Check out different use cases with this interactive map.

Health Information System

COVID-19 Surveillance

- Operational (41)
- In development (13)

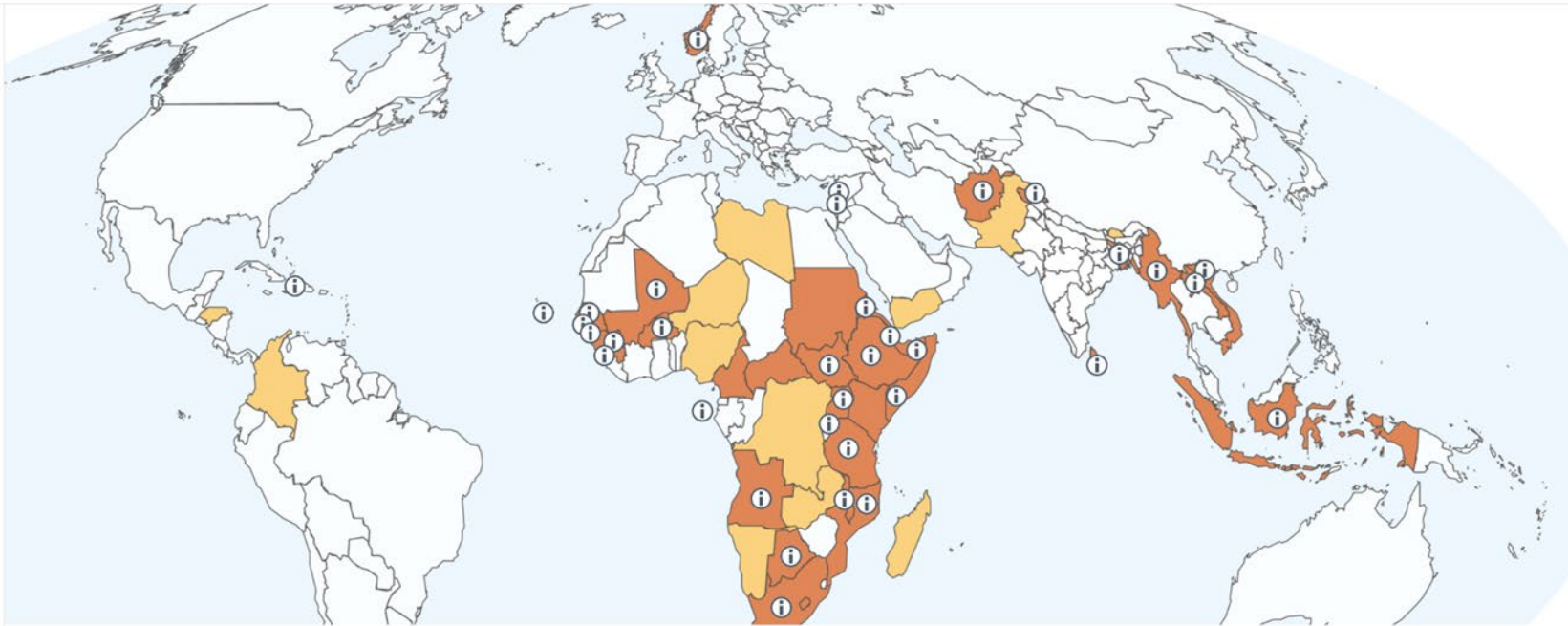
COVID-19 Vaccine

Tracker

Android app

WHO Packages

Education Management Information System (EMIS)



Operational: 41

Afghanistan ⓘ
Angola ⓘ
Bangladesh ⓘ
Botswana ⓘ
Burkina Faso ⓘ
Cameroon ⓘ
Cape Verde ⓘ

Central African Rep. ⓘ
Djibouti ⓘ
Eritrea ⓘ
Ethiopia ⓘ
Guinea ⓘ
Guinea Bissau ⓘ
Haiti ⓘ

Indonesia ⓘ
Jammu and Kashmir ⓘ
Kenya ⓘ
Laos ⓘ
Lebanon ⓘ
Lesotho ⓘ
Malawi ⓘ

Mali ⓘ
Mozambique ⓘ
Myanmar ⓘ
Norway ⓘ
Palestine ⓘ
Rwanda ⓘ
Sao Tome ⓘ

Senegal ⓘ
Sierra Leone ⓘ
Somalia ⓘ
Somaliland ⓘ
South Africa ⓘ
South Sudan ⓘ
Sri Lanka ⓘ

Sudan ⓘ
Tanzania ⓘ
The Gambia ⓘ
Uganda ⓘ
Vanuatu ⓘ
Vietnam ⓘ

In development: 13

Bhutan ⓘ
Colombia ⓘ
Dem. Rep. Congo ⓘ
Honduras ⓘ
Libya ⓘ
Madagascar ⓘ
Namibia ⓘ
Niger ⓘ
Nigeria ⓘ
Pakistan ⓘ
Yemen ⓘ
Zambia ⓘ
Zanzibar ⓘ

36 land bruker DHIS2 til COVID-vaksinering

DHIS2 in action

DHIS2 is in use all over the world. Check out different use cases with this interactive map.

Health Information System

COVID-19 Surveillance

COVID-19 Vaccine

- Operational (36)
- In development (2)

Tracker

Android app

WHO Packages

Education Management Information System (EMIS)



Operational: 36

Bangladesh
Botswana
Cameroon
Cape Verde
Chad
Dem. Rep. Congo
East Timor (i)
Ethiopia

Ghana (i)
Guinea Bissau
Laos (i)
Lesotho
Madagascar
Malawi
Mali
Mauritius (i)

Mozambique
Myanmar (i)
Namibia
Nigeria
Rwanda (i)
Sao Tome
Senegal
Sierra Leone

Solomon Islands
Sri Lanka (i)
Sudan
Suriname
Tanzania
The Gambia
Togo
Uganda (i)

Vanuatu
Yemen
Zambia
Zimbabwe (i)

In development: 2

Equatorial Guinea
Indonesia

Hvorfor har det fungert?

- Kompetansebygging i land og på regionnivå er viktig for å bygge løsninger som varer over tid
- Nærhet til bruker/felt er sentralt i design
- Lokal problemløsning og global deling av løsningen
- Høy tillit hos myndigheter
- Støttet og finansiert av globale partnere som Global Fund, GAVI, UNICEF, Norad and CDC = koordinert systemstøtte til land

HISP Vietnam
HISP India
HISP Sri Lanka
HISP Bangladesh
HISP Indonesia
HISP Tanzania
HISP Uganda
HISP Rwanda
HISP Malawi
HISP Mozambique
HISP South Africa
HISP Nigeria
HISP Ethiopia
HISP West and Central Africa
HISP Colombia
HISP UiO

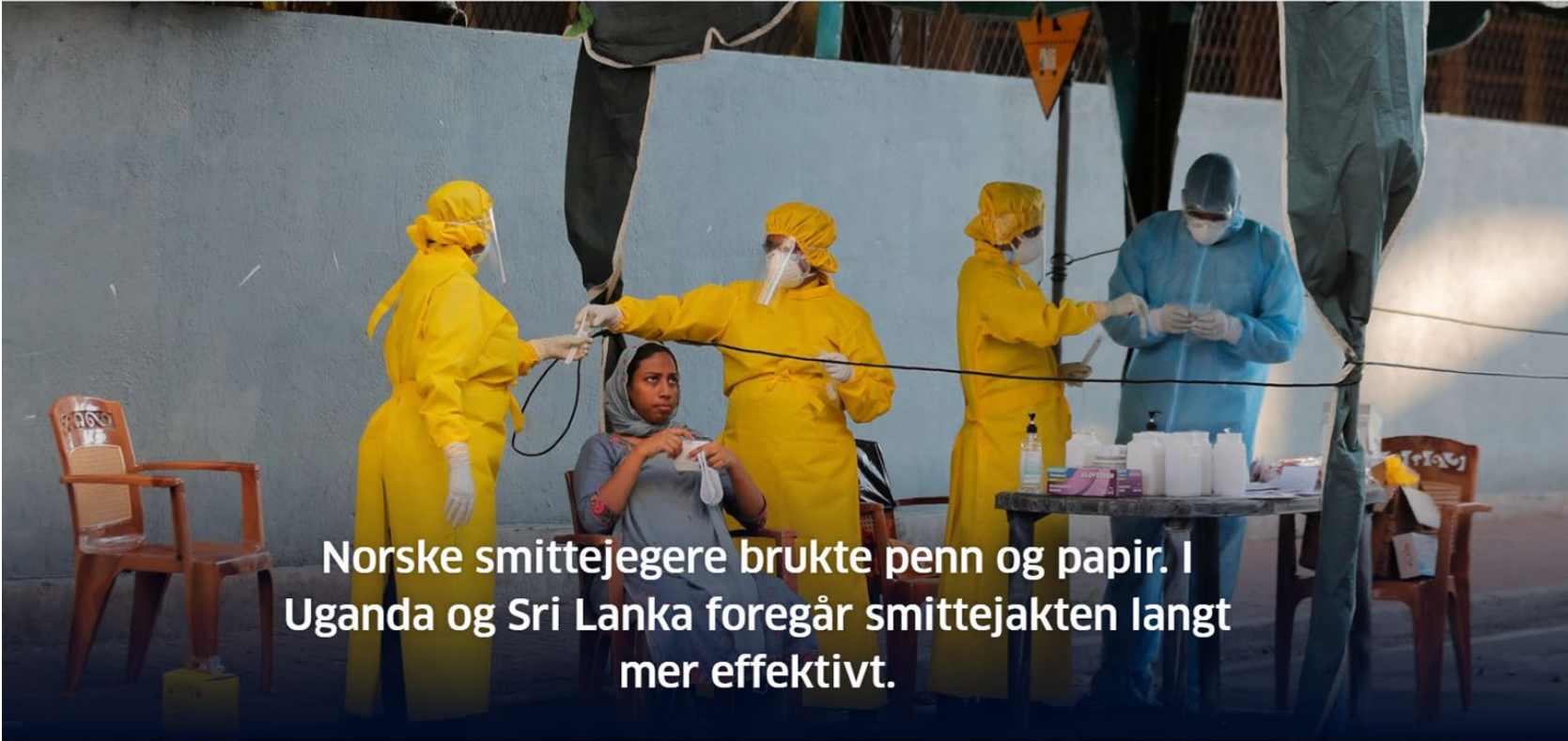




Forskning, PhD/MA
utdanning sentralt
for utvikling,
innovasjon og
kompetansebygging

59 fullførte PhD/25
aktive

Masterprogram i
helseinformatikk i en
rekke land



Norske smittejegere brukte penn og papir. I Uganda og Sri Lanka foregår smittejakten langt mer effektivt.

COVID-19 Rapportering av bivirkninger

 WHO Tracker Configuration Development Instance

Back

Given name : Name_Test876

AEFI Case ID : 98765case

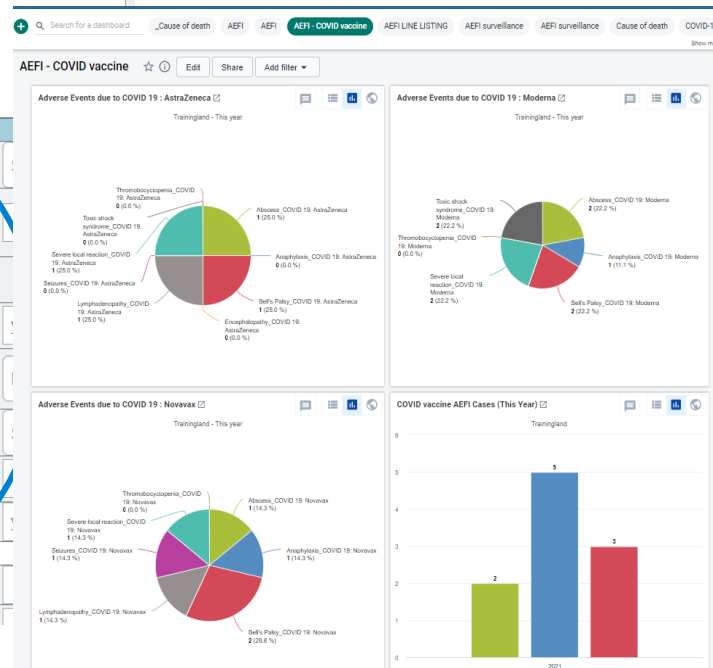
Reporting health facility address:

Contact number:

E-mail:

	Vaccine 1
*Name of the vaccine	Influenza,pandemic H1N1
Brand Name incl. Name of Manufacturer	Search...
Other vaccines(specify)	BCG 0.05
*Date of vaccination	Cholera,inactivated oral
*Time of vaccination	COVID 19 : Moderna
Dose(1st,2nd etc.)	COVID 19 : Novavax
*Batch/Lot number	COVID 19: AstraZeneca
Expiry date	COVID 19: Others
Diluent (if applicable)	Diphtheria-Tetanus
*Name of diluent	
*Batch/Lot	

Link til Global Repository
for bivirkninger.
VigiBase er WHO global
database for “individual
case safety reports”
(ICSRs).





Smittesporingsteam



Fiks plattformen

Helse

Fiks smittesporing



Indeks

Nærkontakt

Klynge

Overføringshistorikk

Fiks innreiseoppfølging

Duplikatsjekk

Innreiseoppfølging

API

Fiks Prøvesvar

Fiks Klinikermelding

Fiks Folkeregister

Fiks vaksinestatus

Fiks vaksine
Ekstra godkjenning

Fiks Innreise

MSIS laboratorie
database



MSIS
elektronisk
klinikermelding



Folkeregisteret



Kontakt og
Reservasjonsreg. (KRR)



SYSVAK



Innreiseregisteret



Fiks Min side

Selvregistrering



Innbyggere
(Indeks) kan selv
registrere sine
nærkontakter.



Team for
Innreisetsyn

Takk for
oppmerksomheten!

