





INDONESIA

OVERVIEW

Country Delegation

- Edy Purwanto: SKM M.Kes, Directorate of Immunization, MoH
- M. Edy Hariyanto: SKM. M. Epid., Immunization Directorate, MoH
- Astri Utami: S.Gz, Digital Transformation Office, MoH
- Dewi Nur Aisyah: SKM MSc DIC PhD, Digital Transformation Office, MoH
- Dr. Lily Banonah: M.Kes, Directorate of Immunization, MoH
- Hashta Meyta: S.Si Apt MSc.PH, Directorate of Immunization, MoH

Country Experiences in EIR

- Indonesia's MoH has developed the Satu Sehat platform to capture immunization data from EMR systems at healthcare facilities and ASIK, a mobile app for community outreach.
- Regular monitoring, mandatory data reporting regulations, and training programs have facilitated EIR adaptation.
- Challenges include potential data inaccuracies, digital literacy variations, and limited internet access in remote areas.
- The goal is to enhance data accuracy and coverage and to learn from other countries' EIR implementation strategies.

System Descriptions and Usage

- Satu Sehat develops the national standards using the FHIR HL7 format for data integration coming from EMR systems at healthcare facilities, including public health centres, hospitals, clinics, and GPs. The data will be integrated into the Satu Sehat platform.
- To accommodate data collection at outside healthcare facilities (such as community outreach/Posyandu/schools), the MoH also developed the ASIK (Sehat IndonesiaKu) mobile application for data collection.
- Details of the software used in Indonesia's EIR:
 - Flutter for Android & IOS in mobile application
 - Typescript with Framework Nutx 3 for website application
 - Golang for backend
 - Progressql and MongoDB for database

Data Management and Governance

- EIR data is stored in a data centre that is managed by the Digital Transformation Office (DTO) MoH team directly. Data backup is done daily.
- Data analytics can be accessed through an integrated dashboard provided at the national, provincial, district/city, and Puskesmas (Public Health Centre) levels. Puskesmas can access individual data (by name by address), while district/city, provincial and national level data can only be accessed in aggregate format.
- DTO MoH has achieved and implemented ISO 27001 about information security management.







Relevant Achievements and Learning Goals

- Strong commitment from the MoH. Within a year, MoH collected 70% of the targeted population's individual data.
- Supporting community access to data. Citizens can access digital immunization certificates and notifications through the Satu Sehat mobile application (one-stop citizen health application) and receive reminders through WhatsApp.
- Accelerated progress through collaboration and capacity building. EIR adoption was accelerated through clear guidance, regulation, monitoring, help desk support, training, national competitions, and rewards.

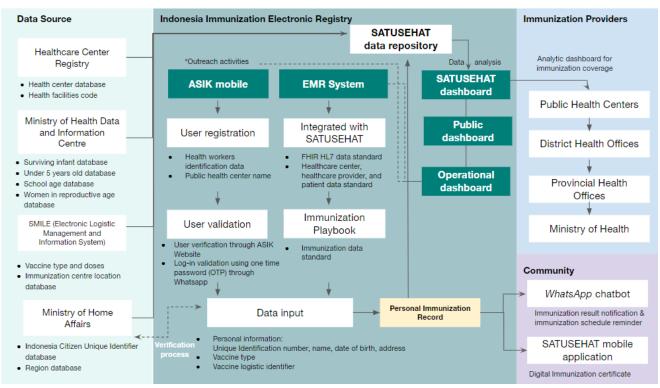






INDONESIA

EIR DESIGN | ENTERPRISE ARCHITECTURE



OVERVIEW OF ELECTRONIC IMMUNIZATION REGISTRY ARCHITECTURE

USER INTERFACE OF ASIK MOBILE, SATU SEHAT MOBILE, WHATSAPP CHATBOT

ASIK mobile app o	Playbook	Whatsapp Chatbot	SAUSEHAT Mobile
		< 175 👔 Layanan Kosohatan Primor Kom 🔵	🛫 matayan 🍯 katawaka 🧟 tarajah
Daftar Individu Caricida Inua ao portensa aconan	KEIHENTERIAN REPUBLIC INCONESIA	Salam sehat Ibu Nurul Agustina 🥪 Terima kasih sudah datung ke Puskesimus Cakung 🏠	Sertifikat Imunisasi Rutin Bayl Routine Immunization Cartificate
Imuniseel Bestersnanstaat	BUKU PANDUAN SATUSEHAT (Playbook) Modul Imunisasi	Pada tanggal 15 Februari 2024, Vanezio Shaquile Mahmuda talah mendapadian penyuntikkan untuk temanisali: 1. Cangak Rubala (MR) 1 Kamentorian Kesehatan RE 9 Belikur mandrak berderarkan jania	Виликан царам Валио В АУЛАСИЛА (АУПА) МАН (СУИАЛА ****0001012200** 0-37-2022
Areada Areada Areada Areada Areada O transpector Areada Areada O transpector Areada Areada Areada O transpector Areada Ar		irramicani yang ditarima oleh Vanezio Shaquile Mahmuda: Irramicani MR bertunggi untuk melindungi anak dari panyaki campak ubela dengan gajah adimam tinggi, bercak kenenahan, mala menah, ruam, nyeri senda, dan sebagainya. Kenendetakin Kelehatani Plan 17.52	Linear Protocol Annual An
	Posat Data dan Belandugi Infarmad-Digital Yenasfasmatkan Office Kanantorian Kasahatan Republik Infanosia	Sotelah invurisasi, beberapa anak mungkin skan mengalami demam sebegai nasiai alami dit tubuh. Hali ni bukan merupakan kondisi bertebaya. • Namun, ikia demam tisuk kunjang turua, segara perikaskan Varnajo Shaquilio Mahmuda ke fasilitas kosehetan turdelak. • Unduh certifikat imurisasi di Aptikasi	And Shana 1 9-0.022 4EL ADDOBBAN DOTA-SAVARE 2 05-0.022 AEL ANDOBBAN DOTA-SAVARE 2 05-0.022 AEL ANDOBBAN More Name Dota Shana 1 90-0.022 AEL More Name Dota
		SATUSEHAT Mebile melalul tautan berlikut:	Piperinantinasi Lipit Marata Gata Matti Basaratan atau atau Sociation Lipit Sociation Lipit D 293-Di Into 2 CS 5 5222 VEL CODESCIONED