Benefits and Implementation Considerations for Electronic Immunisation Registries (EIRs)

July 7, 2022







Welcome & Introductions

Please type your name, organization and country in the chat section!





Simultaneous interpretation

Изменение языка синхронного перевода

ENG: In your webinar controls, click the interpretation

RU: В элементах управления вебинаром нажмите интерпретацию

| ✓ Off English Russian | | |
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| Manage L | anguage Inter | oretation |
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Housekeeping



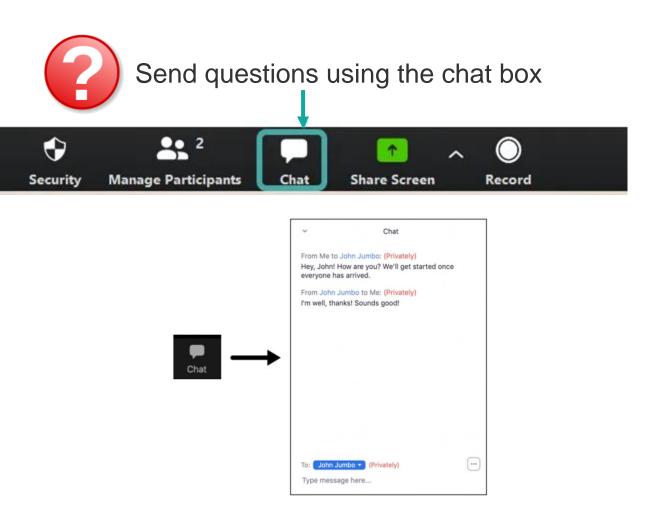
Keep your microphone muted



We will not be using webcams (other than presenters)



For technical support, write to <u>dhanusha@ihp.lk</u>





About Linked

Gavi's collaborative learning network for middle-income countries

WHAT

Collaborative peerlearning and problemsolving network to support strong, sustainable immunisation programs

WHY

To help MICs prevent and mitigate backsliding in coverage & sustainably introduce key missing vaccines (HPV, Rota, PCV)

HOW

Action-oriented learning engagements and ongoing linkages with immunisation stakeholders at country and regional levels



- Former Gavi countries in South Asia Pacific (6), Euro and Central Asia (7), Latin America (5), Africa (1)
- Never Gavi countries TBA





- Use of Electronic Immunisation Registers to strengthen immunisation programs
 - Q&A
- Vietnam's experience using EIRs for routine & COVID-19 vaccinations
 - Q&A
- Bhutan's experience using a COVID-19 registry
 - Q&A
- Closing remarks



Learning Objectives

- 1. To describe EIRs and their potential benefits to routine immunisation programs.
- 2. To learn from countries that have utilized EIRs for both routine and COVID-19 vaccination about their transition from paper-based systems and their EIR evolution over time.
- 3. To identify implementation challenges for EIRs (finance, design, technical, training).
- 4. To understand barriers and challenges to adoption in countries that do not have EIRs.



Use of Electronic Immunisation Registers to strengthen immunisation programs

- A/Prof Meru Sheel
- Sydney School of Public Health
- University of Sydney
- e: meru.sheel@sydney.edu.au
- € merusheel





Outline

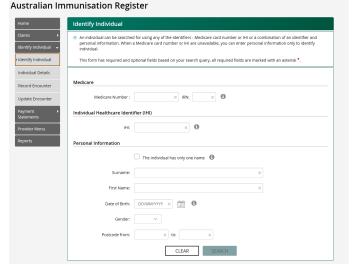
- 1. Electronic immunisation registries (EIRs) and immunisation information systems
 - Health Information Management Systems
- 2. Usefulness of EIRs in strengthening immunisation programs
 - Individual level
 - Population level
- **3.** Considerations for implementation



9

Electronic immunization registries (EIRs)

- Tools that facilitate the monitoring of individual immunization schedules and the storage of individual immunization histories, and, consequently, help enhance the performance immunisation program.
- Immunisation registries can also be paperbased and non-individual



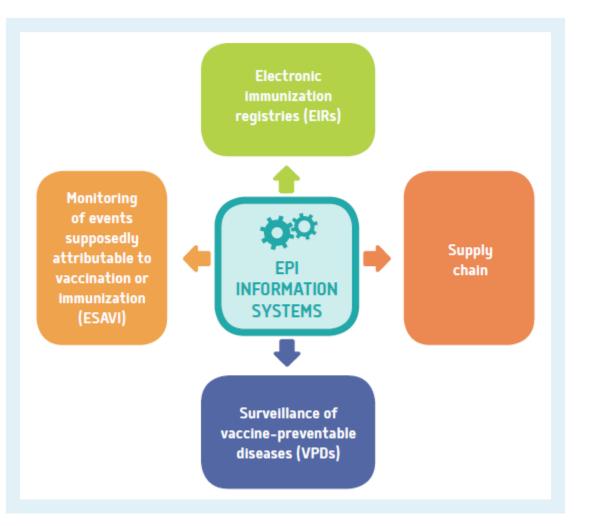


Paper-based registry maintained by Tonga Ministry of Health since 1970s



Immunisation information systems (IIS)

• Produce information that will guide the strategic, managerial, and operational decisions of the EPI within each country.





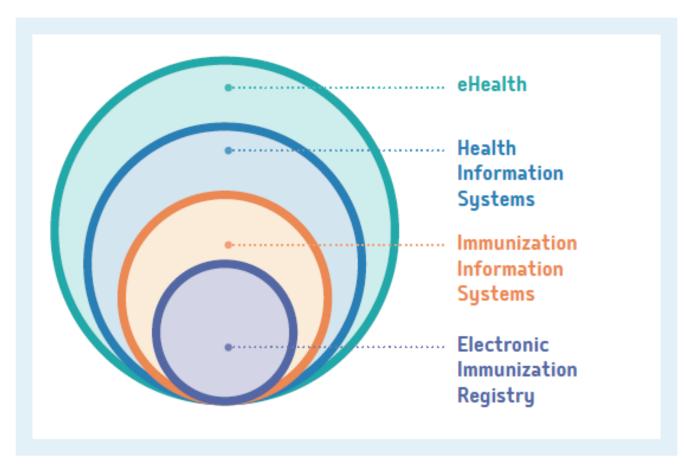
Health information systems (HIS)

- Tool for collection, processing, analysis, and transmission of information required for organizing and operating health services
- Provide useful, high-quality data in a timely fashion. Improvements in health information systems arise from the changing information needs of programs, sectors, users, and the population.





Inter-relationships among HIS and IIS



Pan American Health Organization. Electronic Immunization Registry: Practical Considerations for Planning, Development, Implementation and Evaluation. Washington, D.C.: PAHO; 2017.

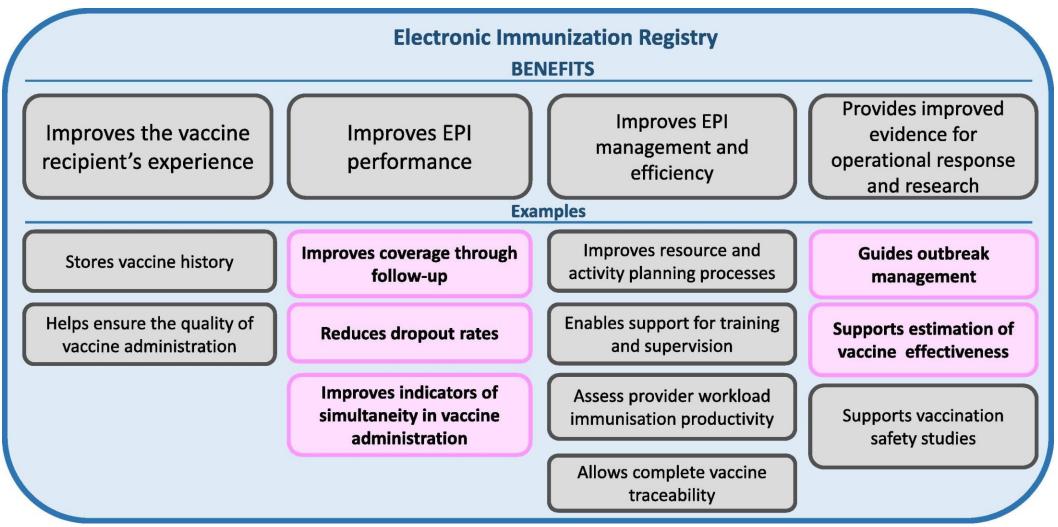


Do you have an immunisation registry in your area/ country?



How can EIRs be used?





Sheel et al, Vaccine, 2020, Electronic immunization registers – A tool for mitigating outbreaks of vaccine-preventable diseases in the Pacific



Australian Immunisation Register

- Established 1996 childhood vaccines <7 years
- Maintained by Services Australia on behalf of Australian Government Department of Health
- Jan 2016 expanded to age 19 years
- Oct 2016 expanded to include all ages
- 2018 National HPV vaccine register data transferred to AIR

Australian Childhood Immunisation Register (ACIR)

Identifying and definitional attributes



Australian Immunisation Register (AIR)

| ltem type: i | Data Source |
|------------------------|---|
| Description: i | The Australian Childhood Immunisation Register (ACIR) is a national register administered by Medicare Australia that records details of vaccinations given to children under seven years of age who live in Australia. It was established in 1996 in response to a decline in childhood immunisation levels and an increase in preventable childhood diseases. |
| Link to data source: i | http://www.humanservices.gov.au/customer/services/medicare/australian-childhood- immunisation-register |

How does AIR work?



- Anyone Medicare-registered automatically added and assigned PIN
- If not Medicare-registered but vaccination reported assigned SIN
- Overseas vaccinations can also be added
- Limited data fields
 - Vaccine, dose number, date
 - Age, sex, Indigenous status, postcode of residence
 - Provider type
 - Exemptions (validated by authorised providers)
- But Medicare number is not a unique ID...



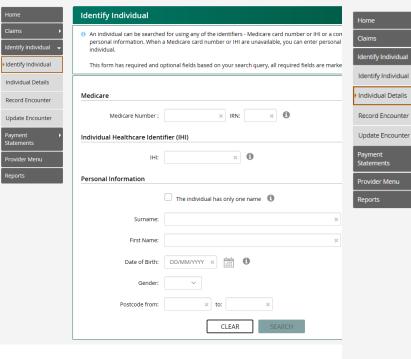
Individual level follow-up

- Compliance with vaccination schedule
- Reminder for those who maybe overdue (eg SMS)
- Safety monitoring for individuals
- Vaccine certificates (eg COVID-19 vaccine certificate)
- Immunisation history statement (eg for school entry program)



Australian Immunisation Register

Australian Immunisation Register



| This individual has a COVID-19 digital certificate. For more information please view the "Immunisation Certificates" Update Individual | | | Immunisation D | |
|---|----------------|-----------|----------------|--|
| | | | | |
| Indigenous Status Notification of an Indigenous status is voluntary. The existing status recorded on the AIR will not be updated if no selection is made. | Non-indigenous | 02 Dec 20 | 008 | |
| Additional Vaccines Required Use this indicator for individuals who may require additional vaccines. Consult | 0 | 02 Dec 20 | | |
| the <u>Australian Immunication Handbook</u> for advice and recommendations when vaccinating special risk groups . By adding or removing this indicator, you acknowledge the individual has given consent to update their record. | | 02 Dec 20 | | |
| | SAVE CANCEL | 11 Feb 20 | 009 | |
| Planned Catch up Planned Catch up for Overdue Vaccines: | | 11 Feb 20 | | |
| Tick this box if you would like to commence a planned catch up for the | 0 | | | |
| were unable to administer all overdue vaccines today; or are waiting on results to support testing of natural immunity; or | | 11 Feb 20 | | |
| need to order in additional required vaccines. Please note an individual can only ever have one catch up schedule | 07 Apr 20 | 009 | | |
| You should not tick the box if: • you have vaccinated the individual and they are no longer over • you feel the parent/guardian does not intend to vaccinate the | | 07 Apr 20 | 009 | |
| | SAVE CANCEL | 12 Oct 20 | 09 | |
| | | 12 Oct 20 | 009 | |
| Due Details | | < 1 | 2 3 | |
| Disease Dose | Due Dat | e • | | |
| There are no vaccinations due for this individual. | | | | |
| Immunisation Details | | * | | |
| | | | | |

(DOB:

Medicare No

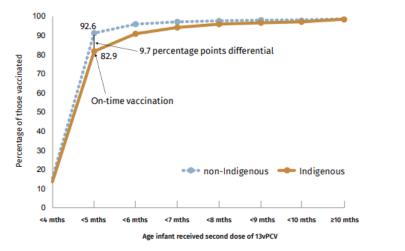
History GENERATE IMMUNISATION HISTORY STATEMENT ~ Vaccine/Brand Reason Serial Number Dose School Name -Status 🔺 [Batch Number] • Code 🔺 Infanrix Hexa 1 Accepted Prevenar 7 1 Accepted Rotarix 1 Accepted 1000 Infanrix Hexa 2 Accepted e ---Prevenar 7 2 Accepted [د.] 2 Rotarix Accepted [.... Infanrix Hexa 3 Accepted [/munj Prevenar 7 3 Accepted Hiberix 4 Accepted Meningitec Accepted 1

10 25 50 100

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Coverage

Figure 6: Cumulative percentage of infants vaccinated with the second dose of 13vPCV* by age in months and Indigenous status, Australia, 2020



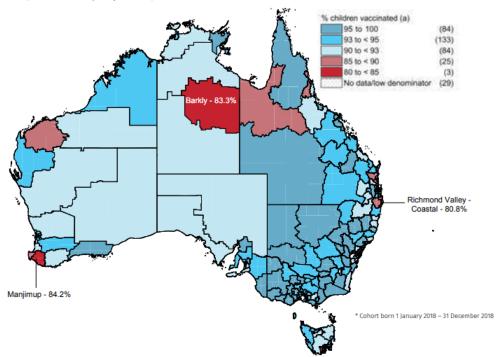
 Shown as cumulative percentage vaccinated (number of infants who received vaccine dose at particular age / total number of infants who received the vaccine dose, expressed as a percentage).
 13vPCV = 13-valent pneumococcal conjugate vaccine Cohort born in 2019.

Source: Australian Immunisation Register, data as at 31 March 2021.

https://ncirs.org.au/our-work/vaccine-coverage



Figure 11. Coverage of 4 doses of diphtheria-tetanus-acellular pertussis (DTPa)-containing vaccine at 24 months of age* by Statistical Area 3, Australia and major capital cities, 2020



Coverage using administrative and survey methods

Routine administrative method Advantages:

- Based on data necessary for service provision Timely management monitoring tool
- Provides data at local level

Disadvantage / Limitations :

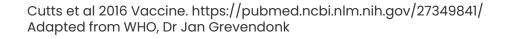
- Denominator (target population may be projected based on old/poor census data)
- Transcription or calculation errors
- Incomplete reporting
- May include vaccination conducted outside the target group
- May not include private sector

Survey method Advantages:

- Estimate of coverage can be obtained if the denominator is unknown.
- Provides additional information on social economical status, maternal characteristics, sex, etc of reached and unreached children
- Vaccinations given by the private sector reflected
- Allows assessing timeliness (among those with cards)

Disadvantage / Limitations:

- Bias selection, information and sampling error
 - Provides information on the previous birth year's cohort.
 - Immunization card availability and quality
 - Reliance on recall in absence of card
 - Representativeness
- Interviewer interaction
- Length or complexity of the questionnaire may compromise accuracy
- Resource intensive





Tailored immunisation programs



Vaccine Volume 40, Issue 1, 3 January 2022, Pages 18-20



Short communication

Improved childhood immunization coverage using the World Health Organization's Tailoring Immunization Programmes guide (TIP) in a regional centre in Australia

Susan Thomas ^a $\stackrel{>}{\sim}$ ⊠, David Durrheim ^{a, b}, Fakhrul Islam ^b, Helen Hig

Show more V



Health topics v

ome / Activities / Tailoring immunization programmes (TIP)



Our work v

Newsroom

Vaccination is an excellent health intervention, saving millions of lives and even more pain and people not fully vaccinated?

800 100 Immunised 90 Rates 700 Number of children immunized 200 00 00 100 100 100 80 % Children immunised 300 30 20 10 0 2013 2014 2015 2016 2017 2019 2020 2018 Year

See Thomas et al 2022 Vaccine.

https://www.sciencedirect.com/science/article/pii/S0264410X21015413?via%3Dihub



Effectiveness

- Vaccine effectiveness
 - Needs individual vaccine data linked to disease outcome data
 - Context-specific data
 - Builds program confidence
- Cost-effectiveness
- Efficiency, outbreak response
- Adverse events monitoring

Evaluation of protection by COVID-19 vaccines after deployment in low and lower-middle income countries

John Clemens,^{a,b,*} Asma Binte Aziz,^{a,c} Birkneh Tilahun Tadesse,^a Sophie Kang,^a Florian Marks,^{a,d,e} and Jerome Kim^a

^aInternational Vaccine Institute, Seoul, South Korea ^bUCLA Fielding School of Public Health, Los Angeles, United States ^cInstitute of Clinical Medicine, University of Oslo, Norway ^dUniversity of Cambridge, United Kingdom ^eUniversity of Antananariyo, Antananariyo, Madagascar

Summary

The availability and use of vaccines for the coronavirus disease 2019 (COVID-19) in low and middle-income countries (L/MICs) lags far behind more affluent countries, and vaccines currently used in L/MICs are predominantly of

lower efficacy. As vaccines cont monitoring both of vaccine pro vaccine herd protection of nonthe distinctive medical and den Federated States of Micronesia measles outbreak affect vaccine performance in t effectiveness of different COVI identified in these settings. Por constitute an important but cur

Copyright © 2021 The Author license (http://creativecommor Keywords: COVID-19 vaccines

^aCenters for Disease Control and Prevention, National Center for Immunization and Respiratory ^bCenters for Disease Control and Prevention, Center for Global Health, Atlanta, GA, United States

Disease, Immunization Services Division, Atlanta, GA, United States

Jamison Pike^{a,*}, Ashley Tippins^a, Mawuli Nyaku^b, Maribeth Eckert^a, Louisa Helgenberger^c,

Cost of a measles outbreak in a remote island economy: 2014

^cDepartment of Health and Social Affairs, Government of the Federated States of Micronesia. Federated States of Micronesia

Abstract

and J. Michael Underwooda

After 20 years with no reported measles cases, on May 15, 2014 the Centers for Disease Control and Prevention (CDC) was notified of two cases testing positive for measles-specific immunoglobulin M (IgM) antibodies in the Federated States of Micronesia (FSM). Under the Compact of Free Association, FSM receives immunization funding and technical support from the United States (US) domestic vaccination program managed by the Centers for Disease Control and Prevention (CDC). In a collaborative effort, public health officials and volunteers from FSM and the US government worked to respond and contain the measles outbreak through an emergency mass vaccination campaign, contact tracing, and other outbreak investigation activities. Contributions were also made by United Nations Children's Emergency Fund (UNICEF) and World Health Organization (WHO). Total costs incurred as a result of the outbreak were nearly \$4,000,000; approximately \$10,000 per case. Direct medical costs (≈\$141,000) were incurred in the treatment of those individuals infected, as well as lost productivity of the infected and informal caregivers (≈\$250,000) and costs to contain the outbreak (≈\$3.5 million). We assessed the -C.4- 2014 --



https://www.gavi.org/vaccineswork/what-difference-between-efficacy-and-effectiveness Clemens et al, 2022, https://www.thelancet.com/journals/eclinm/article/PIIS2589-5370(21)00534-4/fulltext

Norway and Denmark

- One of the most advanced
- Unique identifier
- Norwegian SYSVAK (established 1995)
- Danish vaccination register (established 2013)
- Based on unique PIN issued at birth or immigration
- Facilitates linkage to other national health registers
- Eg MMR/autism cohort study (660,000 children) linking data on autism diagnoses and risk factors



Annals of Internal Medicine® Search Journal

LATEST ISSUES IN THE CLINIC JOURNAL CLUB MULTIMEDIA CME / MOC AUTHORS

Original Research | 5 March 2019

Measles, Mumps, Rubella Vaccination and Autism **FREE**

A Nationwide Cohort Study

Anders Hviid, DrMedSci 📓, Jørgen Vinsløv Hansen, PhD, ... 🛛 View all authors 🕂

Author, Article and Disclosure Information

https://doi.org/10.7326/M18-2101

Observational data from Tanzania

- Potential to add value to immunization stakeholders at all levels of the health system.
- Individual-level data can enable new analyses to understand service delivery or care-seeking patterns, potential risk factors for under-immunization, and where challenges occur.
- To achieve this potential, country programs need to leverage and strengthen the capacity to collect, analyze, interpret, and act on the data.

Published on 21.1.2022 in Vol 8, No 1 (2022): January

Freprints (earlier versions) of this paper are available at https://preprints.jmir.org/preprint/32455, first published July 29, 2021.



Added Value of Electronic Immunization Registries in Low- and Middle-Income Countries: Observational Case Study in Tanzania

Andrew M Secor ¹⁽¹⁾; Hassan Mtenga ²⁽²⁾; John Richard ²⁽³⁾; Ngwegwe Bulula ³⁽³⁾; Ellen Ferriss ¹⁽⁶⁾; Mansi Rathod ¹⁽⁶⁾; Tove K Ryman ⁴⁽⁶⁾; Laurie Werner ¹⁽⁶⁾; Emily Carnahan ¹⁽⁶⁾



How do you use ? - individual data - aggregated data



Considerations for implementation



To make the most of new EIRs....

- Unique identifier
 - Denmark, Norway, New Zealand
- Clinical decision support systems to aid medical practitioners and improve individual experience Population denominator
- Data quality
 - Incomplete reporting and timeliness
 - Audit of the Australian Register
 - Mandated through COVID-19 in Australia
- All-of-life esp in the context of COVID-19 vaccines



To make the most of new EIRs....

- Alignment with other components of immunisation information systems
 - VPD surveillance, notification, hospitalisation, deaths
- Real-time data analyses
- Interaction with electronic medical records/ 2-way interactive platform
- Resource allocation hardware, software and human resources for data quality
- Data governance and privacy



Conclusions

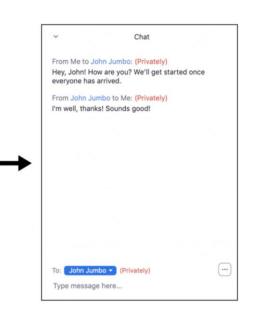
- EIRs and Immunisation Information Systems can improve vaccine coverage and strengthening immunisation programs
- Data can enable **data-drive decision making**
- Strengthen immunisation information systems
- For settings where COVID-19 registries have been established, program and process evaluation can help with integration – don't waste a crisis!
- EIRs take a long time to mature ensure resource allocation



Q&A session

Please type your question in the chat





Chat



Vietnam's experience of using EIRs for routine & COVID-19 vaccinations

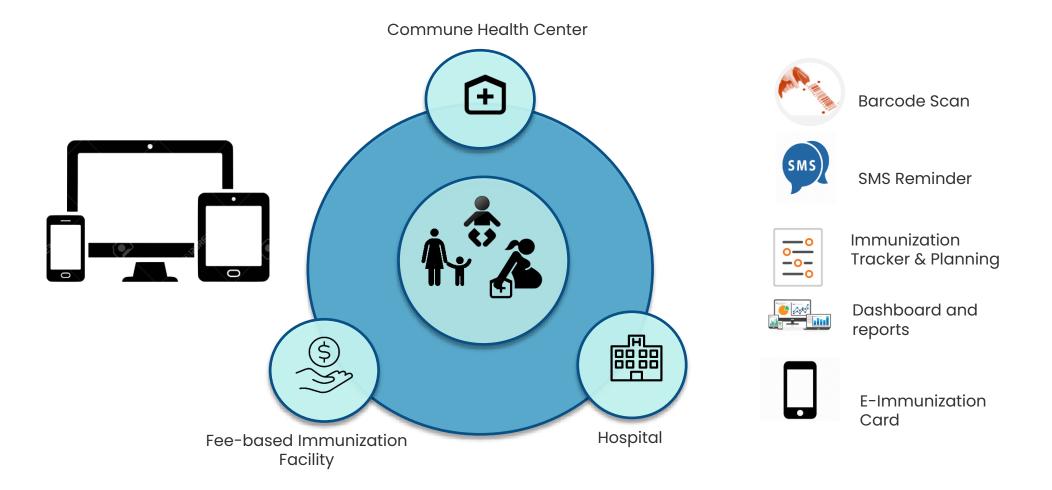
Mr. Sang Dao Dinh, MPH

IDEAL-Vietnam Team Lead PATH, Vietnam



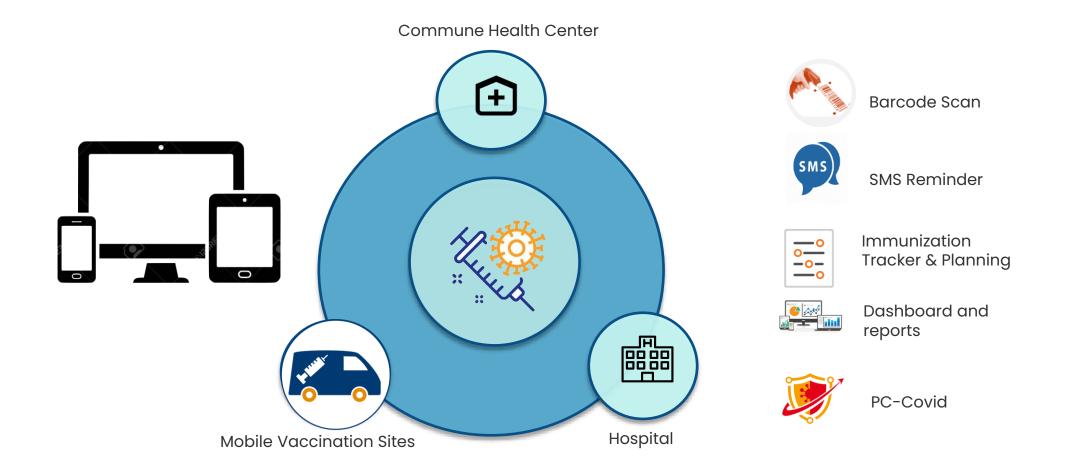


System main functions: Immunization Registry Module



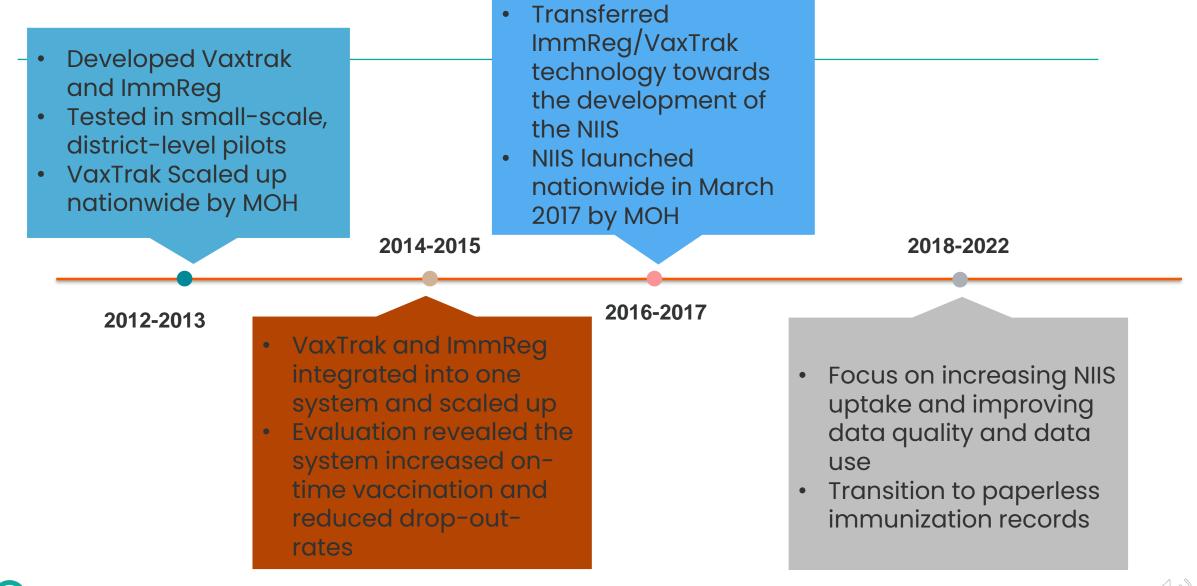


EIR System cloned for COVID-19 vaccination





Timeline of the EIR introduction and scale-up in Vietnam





Facilitators and Barriers





mHealth Assessment and Planning for Scale

| 1. GROUNDWORK | The initial steps of specifying the key components of the project's approach to scaling up, assessing relevant contextual influences, and taking stock of the scientific basis for the product |
|-------------------------------|--|
| 2. PARTNERSHIPS | Collaborations with external groups to support the process of scaling up, including strategies for identifying, developing and sustaining fruitful partnerships |
| 3. FINANCIAL HEALTH | The projection of scale-up costs, and the development of a financial plan for securing and managing funds over the long term |
| 4. TECHNOLOGY & ARCHITECTURE | Steps taken to optimize the mHealth product for scaling up based on its anticipated user base, purpose, integration with information systems and compatibility with other components of the information systems architecture |
| 5. OPERATIONS | Organizational and programmatic measures for supporting the implementation, use and maintenance of the product throughout the scaling-up process |
| 6. MONITORING & EVALUATION | Decisions and activities that enable effective process monitoring and in-depth outcome evaluation, based on project and stakeholder need |

*MAPS Toolkit: mHealth Assessment and Planning for Scale. Geneva: World Health Organization; 2015



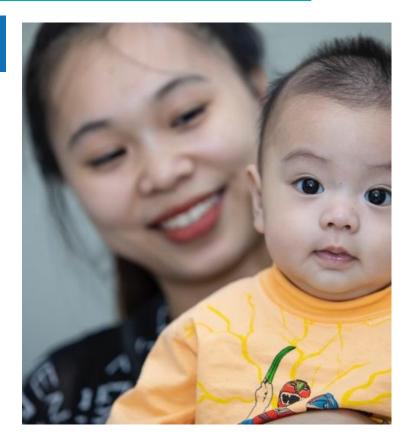
Groundwork/ Partnerships

Facilitators

- Landscape Assessment
- Business model framework
- Small-scale pilots
- Government commitment
 and priorities
- Foundational guidelines
- Costing analysis
- Support from government
 partners
- Formation of technical working group
- Partnership with technology expert as a service provider

Barriers

- Time
- Poor infrastructure
- Lack of foundational national policies
- Cost of national scale-up
 underestimated
- Population growth was not factored in
- Time/learning curve
- Lack of initial formal contracts





Technology

Facilitators

- Mobile Network Operator capabilities
- Sustainable technical leadership
- End-user feasibility and feedback
- Data security and quality
- Not a handover software
- API

Barriers

- Lack of national ID
- Large data
- Fee-based and private facilities





Operations and Monitoring & Evaluation

Facilitators

- ToT as a sustainable method for training large audience
- Training support from PATH
- Training provincial and district staff provided sustainable layers of technical support
- Technical support well planned for long-term sustainability
- Input data used to determine supervision priorities
- M&E framework was developed at an early stage

Barriers

- More time needed for ToT training than anticipated
- Lack of funding for EIR-specific supervision visits
- Supervisors do not have enough time to prioritize the NIIS supervision
- SOPs for supportive supervision pre- and post- training not developed
- Few resources are available for monitoring
- Inconsistent data quality remains an issue





Lessons learnt





Phase 1: System Design and Development

- Form TWG
- Conduct Landscape Assessment
- Develop User Requirement Document: User-center Approach
- Select and collaborate with appropriate MNO
- Develop System Technical Specification document: follow both national and global standard
- Develop Detailed Testing Plan to evaluate functions carefully



Phase 2: Small Pilot

- Continue maintain and strengthen roles of TWG
- Pilot in small sites
- Mobilize resources from international organizations
- Advocate and engage the involvement and commitment of authorities at levels from the beginning
- Sufficient timeline for piloting to provide meaningful evaluation
- Develop the implementation guideline and necessary SOPs
- Capture lessons learnt and challenges during the pilot
- Conduct Cost Analysis for Scale-up



Phase 3: Nationwide Scale-up

- Continue maintain and strengthen roles of TWG
 - Develop planning and roadmap for the implementation
 - Develop and issue regulations/policies related to the implementation of the system
- Update and Upgrade the system
 - Maintain the partnership with MNO to update/upgrade the system on time to meet the requirements of end-users, changes of policy.
- Develop the guidelines and SOPs
 - The implementation guideline
 - The guideline on data quality and data use
 - Necessary SOPs



Phase 3: Nationwide Scale-up (Cont.)

- Prepare infrastructures and equipment:
 - Internet connectivity
 - Computers, printers, barcode reader
- Capacity building for health workers at levels
 - Conduct TOT trainings
 - Conduct Cascade trainings with multiple approaches such as on-site training, virtual training and e-learning



Phase 3: Nationwide Scale-up (Cont.)

• Mobilize resources

- Local budget
- Support from international organizations
- Resources from local enterprises
- Monitoring and technical support
 - Develop monitoring and evaluation framework
 - Strengthen technical support from the beginning of the implementation
 - Use multiple approaches for technical support: on-site and virtual



Phase 4: Transition to paperless

- Strengthen commitment of local authority
- Ensure the system operate stably and inter-operably with other systems
- Mobilize and engage the involvement of the hospitals and feebased-immunization facilities
- Improve data quality and cultivate data use skills for health workers
- Develop and issue guidance and regulations related to the transition to paperless system/retirement of the paper-system



Thank you

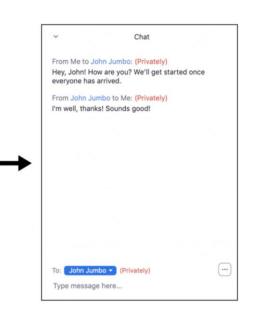


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Q&A session

Please type your question in the chat





Chat



Bhutan's experience of using COVID-19 registries

Mr. Garab Dorji

Chief ICT Officer ICT Division, Ministry of Health, Bhutan

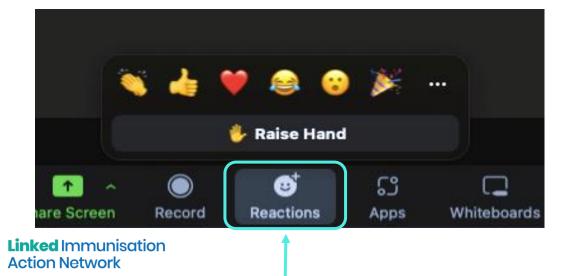


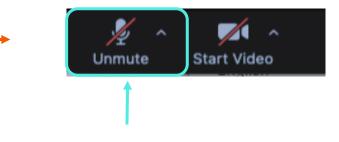
Q&A session

Please type your question in the chat raise your hand









Chat

Feedback survey

Please let us know what you think about this learning engagement & how we can improve us next time!



Closing remarks

Mrs. Hashta Meyta

Head Secretariat for coordination and integration of the Gavi Immunization Program Ministry of Health, Republic of Indonesia Linked Steering Committee Member



Thank you!







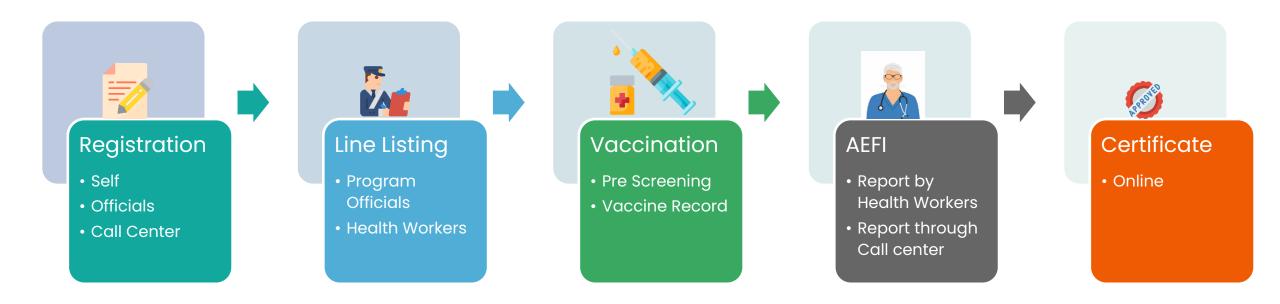
Annexure



EXTRA SLIDES - Bhutan



Vaccination System



Menus

Menu:

- 1. Vaccine (COVID19)
- 2. Dashboard
- 3. Vaccination
- 4. Zero AEFI Reporting
- 5. Campaign
- 6. Reports
- 7. Registration
- 8. Registration Category
- 9. Vulnerable Population
- 10. Vaccines
- 11. Vaccine Brands
- 12. Health Facilities
- 13. Comorbidity
- 14. Inventory (Sub Menu)
- 15. Master Setting (16. AEFI Check List 17. Roles 18. Permissions 19. Schools 20. Disabilities 21. Occupations 22. Occupation Sectors 23. ICE Type 24. Vulnerability Criteria 25. Reports 26. SMS Logs 27. Offline App Data

Sub Menus:

Reports:

- a. Vaccination,
- b. AEFI,
- c. Pre-Screening
- d. Monitoring)

Inventory:

- a. Stock,
- b. Item Category &
- c. Items

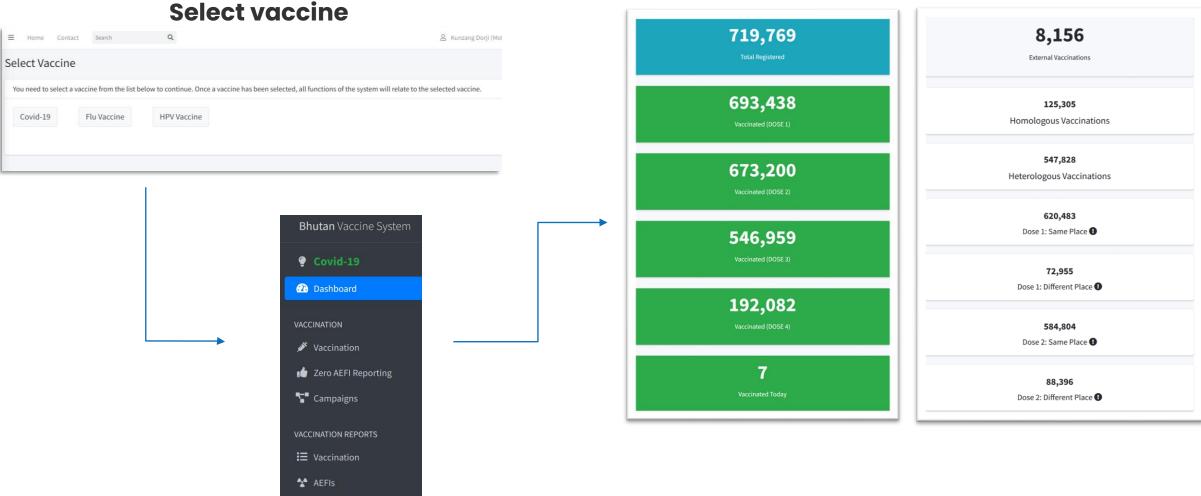
Master Setting:

- a. User
- b. Dzongkhag (Districts)
- c. Gewogs (Sub Districts)
- d. Chiwogs (Cluster)
- e. Villages
- f. Zones (For cities)
- g. Pre-Screening Questions





Dashboard



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User registration

| Registration Information | | |
|-----------------------------------|------------------|--|
| Resident Type * | | ID (Citizenship ID /Passport/ Work Permit/ Visa/ MCH |
| Select Type | ~ | SEARCH |
| First Name * | Middle Name | Last Name |
| Sex * | Date of Birth * | Mobile Number |
| Category | Ĵ | |
| Present Address/Current Residence | | |
| Dzongkhag/Thromde * | Mega Zone | Gewog/Zone * |
| Select Dzongkhag/Thromde | Select Mega Zone | ▼ Select Gewog/Zone ▼ |
| Chiwog * | Village | |
| | | |

| Health Conditions/Comorbidities | | | | | |
|---|--|---|---|------------------------------------|--|
| All Cancers on Chemotherapy (under treatment) | □ Allergy | | 🗆 Asthma | | |
| Cardiovascular diseases (heart failure, coronary artery diseases) | Chronic kidney di adult on dialysis, disease/transplar | end stage renal | Chronic lung dis asthma, COPD o cystic fibrosis, ai condition on oxy | n oxygen therapy, ny other lung | |
| Chronic neurological disease | | COPD (Chronic Obstructive Pulmonary Disease) | | Diabetes | |
| Epilepsy/seizure | □ Gastritis | | Heart Disease | | |
|] High Blood Pressure (hypertension) | Immuno-compro immunodeficience immunosuppress immune system) | су/ | Immuno-suppre as monoclonal a Rituximab, long- steroids like pred | ntibody, term high dose | |
| Interstitial lung disease | ☐ Kidney Disease | | Liver Disease | | |
|] Migrane | Old Cerebrovacul (Stroke)/ Cerebra Syndrome | | orphaned perso or disabled and feed oneself | 0 | |
|] Others | Pneumonia | | Pregnant with si disease NYHA cla medication | - | |
| Solid organ transplant recipients including bone marrow or stem cell transplant | Splenectomy Pati | ients | Tuberculosis | | |
| Ulcers | Uncontrolled Dial | betes | | | |
| In case you are a highly vulnerable in willing to go to an identified facility | | Pregnancy Status blank if not pregn | (Select due date if ant) | pregnant, leave | |
| yourself from COVID infection? | | | | Clear Pregnancy | |

O Yes O No

System records vaccine dose details

| accine/Disease Name * | Registration Type | | |
|----------------------------------|---|--|--|
| eg: Covid-19 Vaccine | Both Public & Internal 🗸 🗸 | | |
| escription (Displayed to public) | Require Prescreening | | |
| » B U 8 A · ≔ ≔ ∞ ■ | Yes 🗸 | | |
| | Check Stock & Expiry Date When Vaccinating | | |
| | Yes 🗸 | | |
| | Allow Self Edit Registration Info? | | |
| | Yes 🗸 | | |
| | Allow AEFI Self Reporting? | | |
| | Yes 🗸 | | |
| | Allow Vaccine Certificate Download? | | |
| | Yes 🗸 🗸 | | |
| | | | |

| Vaccine * | | ~ | Min Storage Temp. (°C) | Max Storage Temp. (°C) | Shelf Life (day |
|----------------|--------------------------|---------------------------|---|---------------------------|------------------------|
| Brand Name * | Diluent | | Unit of Measure (Dose, Vial, etc.) * | Vaccine Per l | Unit Wastage |
| Manufacturer * | Country o Manufacto | | Min Eligibility Age | Months | Max Eligibility Age |
| 0 | Next Dose From (days) | Next Dose To (days) | | | |
| | | | | | |