Open Digital Health Summit '24: **"Accelerating *Full-STAC on FHIR*"**

Track 2 Program: Architecting DPIs with FHIR for Health

Day 1 | Day 2 | Day 3 | Break-out sessions descriptions

Version 3, Last updated: 30th November 2024

Day 1: Sunday Dec 1, 2024

	Room	Track	Session	Speaker | Org
08:00 - 09:00			*Registration with coffee / light breakfast*	
08:45 - 09:00	Victoria Ballroom		*WHO PSEA and security announcement*	
09:00 - 09:15	Victoria Ballroom	Joint	Welcome and Opening Remarks	HELINA, KeHIA, GAVI and WHO
09:15 - 09:45	Victoria Ballroom	Joint	**Opening keynote:** How open standards, Full-STAC approach and DPIs accelerate digital transformation in health and beyond	Garrett Mehl (WHO) Hani Iskander (ITU)
09:45 - 10:30	Victoria Ballroom	Joint	**Plenary:** FHIR for Leaders | Why FHIR matters, intro to the spec and key concepts	Carl Fourie (PATH) Jing Tang (Google)

10:30 - 11:00		*Break*		
11:00 - 11:15	Victoria 1 & 2	Track 2	Talk: **Digital health transformation using FHIR and Digital Public Infrastructure (DPI): the experience of Kenya**	Dr Joyce Wamicwe (Ministry of Health, Kenya)
11:15 - 12:00	Victoria 1 & 2	Track 2	Panel: **What are foundational DPIs?** Discussion on what are foundational DPIs and what is their role in a digital health ecosystem. Includes presentations from experts in the field on how foundational DPIs can be utilized to improve various sectors, including health. **Panelists:** Anusree Jayakrishnan (CDPI), J Satyanarayana (Artha Global/ DPI Academy), Ramkumar PS (GovStack) **Moderated by:** *Hani Eskandar (ITU)*	
12:00 - 13:00	Victoria 1 & 2	Track 2	Panel: **What are health DPIs?** Discussion on what are foundational DPIs and what is their role in a digital health ecosystem. Includes presentations from experts in the field on how foundational DPIs can be utilized to improve various sectors, including health. **Panelists:** Carl Fourie (PATH), Jean Philbert Nsengimana (Africa CDC), Jai Ganesh Udayasankaran (AEHIN) **Moderated by:** *Mark Landry (WHO Thailand)*	
13:00 - 14:00		*Lunch break*		
14:00 - 14:30	Victoria 1 & 2	Track 2	Talk: **What are IPS, ICVP and GDHCN?**	Carl Leitner (WHO) Naveen Deshpande (Malaysia)
14:30 - 16:00	Victoria 1 & 2	Track 2	Breakout session: **DPI investment mapping and country capability assessment**	

			A hands-on learning and discussion session where participants engage with country counterparts. This session will explore the mapping of investments in Digital Public Infrastructure (foundational and health-specific) and assess a country's capabilities to effectively utilize these services in the health sector.
16:00 - 16:30		*Break*	
16:30 - 17:30	Victoria Ballroom	Joint	Talks and panel discussion: **GenAI for Global Health** Hear from innovators and researchers on the opportunities and challenges for leveraging GenAI for Global Health. This session will open with short talks from Jacaranda Health and mDoc sharing experiences of building GenAI based solutions. This will be followed by a moderated panel discussion with closing remarks from Alain Labrique (WHO) *Panelists: Annie Hartley (Yale, LiGHT), Vaishnavi Menon (University of Birmingham), Nneka Mobisson (mDoc), Sam (Digital Umuganda), Jay Patel (Jacaranda Health), Alain Labrique (WHO)* **Moderated by: Bilal Mateen (PATH)**
17:30 - 18:00	Victoria Ballroom	Joint	Day 1 recap and closing Garrett Mehl (WHO) + Track 1 & Dilip Hensman (Track 2)
18:00 - 19:30		*After hours social session	GenAI showcase*	

Day 2: Monday Dec 2, 2024

	Room	Track	Session	Speaker	Org
08:00 - 08:45			*Breakfast and networking*	
08:45 - 09:00	Victoria Ballroom	Joint	Welcome back and plan for day 2	Fred Hersch (Google)

09:00 - 09:30	Victoria Ballroom	Joint	Welcome Address ● WHO Representative, Kenya ● Ministry of ICT and Digital Economy, Kenya ● Ministry of Health, Kenya	Dr Abdourahmane Diallo Dr Margaret Ndung'u Dr Deborah Barasa
09:30 - 10:00	Victoria Ballroom	Joint	Panel: **Global Digital Health … All FHIR'ed Up!** Discussion on the current state of FHIR adoption in the Global Digital Health landscape with relevant perspectives from actors in the ecosystem **Panelists:** Steven Wanyee (HELINA), Jean Philbert Nsengimana (Africa CDC), Amarynth Sichel (USAID), Grahame Grieve (HL7 FHIR), Mat Berg (Ona) **Moderated by:** Natschja Nash-Mendez (WHO)	
10:00 - 10:15	Victoria 1 & 2	Track 2	**Talk:** Immunization program priorities	Jan Grevendonk (WHO)
10:15 - 11:00	Victoria 1 & 2	Track 2	Panel: **Architecture and Technologies** Discussion on how to design a national architecture that accounts for health sector needs related to continuity of care, getting to a personal health record for citizens and improving the quality of service delivery (including ensuring no more stock-outs of essential products). Includes relevant country perspectives. **Panelists:** Dr Maria Jose Letelier (Chile) and Dr. Olegas Niaksu (Lithuania) **Moderated by:** *Carl Leitner (WHO)*	
11:00 - 11:30		*Break*		
11:30 - 12:30	Victoria 1 & 2	Track 2	Panel: **Standards and Content**	

			Discussion to introduce the SMART Guideline approach, which details the standards and content to support digital transformation. Includes perspectives from experts working with the approach at country and organizational level. **Panelists:** Jose Costa Teixeira (PATH), Albert Besigye (Ministry of Health, Uganda) **Moderated by:** *Natschja Nash-Mendez (WHO)*	
12:30 - 12:45	Victoria 1 & 2	Track 2	Talk: **Digital transformation for immunization: the example of Kenya**	Dr Rose Jalang'o, Ministry of Health, Kenya
12:45 - 13:00	Victoria 1 & 2	Track 2	**Brainstorming for unconferencing session topics** Session for participants to brainstorm, propose and vote on topics that will be discussed in an unconferencing session later in the day. These topics will be based on the interests and expertise of the delegates.	
13:00 - 14:00		*Lunch Break*		
14:00 - 15:15	Victoria 1 & 2	Track 2	Breakout session: **Planning a national digital architecture/blueprint** A hands-on learning and discussion session to explore strategies for developing national digital architectures that utilize standards and DPIs to achieve health goals, including getting to personal health records for citizens, patient management and continuity of care and efficiency of the health supply chain. There will also be an introduction to the GIDH country needs tracker and country resource portal.	
15:15 - 16:00	Victoria 1 & 2	Track 2	**Unconferencing session** Participant-driven session with 3-5 prioritized discussion topics chosen from those with the highest votes.	
16:00 -		*Break*		

16:30				
16:30 - 18:00	Victoria Ballroom	Joint	**Building with FHIR Implementer's Showcase** Series of lightning talks from implementers on how they have used FHIR throughout their solutions to solve specific problems	10 partner organizations presenting
18:00 - 18:30	Victoria Ballroom	Joint	Day 2 recap and closing	Fred Hersch (Google) & Track 1 & Ryan Dos Santos (Track 2)
18:30 - 20:30			*Gala dinner for all participants*	

Day 3: Tuesday Dec 3, 2024

	Room	Track	Session	Speaker | Org
08:00 - 09:00			*Breakfast and networking*	
09:00 - 09:15	Victoria 1 & 2	Track 2	Welcome back and plan for day 3	Steven Wanyee (HELINA)
09:15 - 10:00	Victoria 1 & 2	Track 2	Panel: **Pathways and tools to adopting standards and migrating to data exchange ecosystems** Discussion to understand the benefits and challenges of moving from a single-solution approach to an ecosystem approach, with examples from countries at different stages in the transition. **Panelists:** Dr Pradeep Silva and Dr Uditha Perera (Ministry of Health, Sri Lanka), Taufiq Sitompul (JSI Indonesia), Fred Hersch (Google) **Moderated by:** *Jan Flowers (University of Washington)*	
10:00 - 11:00	Victoria 1 & 2	Track 2	Panel: **How digital can facilitate sustainable financing of the health sector**	

			Discussion on how DPIs + standards can support health sector tracking of health accounts, payments, and claims - and promote more long term, sustainable financing of the health sector **Panelists:** Uwe Wahser (GIZ), Dr Ryan Nyotu (Ministry of Health, Kenya), TBC (NDOH Philippines) **Moderated by:** *Garrett Mehl (WHO)*	
11:00 - 12:30	TBC	Joint	**Working lunch sessions (choose 1):** ● "Ask Me Anything" with FHIR experts (HL7 FHIR team) ● "Best of Both Worlds" - Patterns for integrating FHIR and non-FHIR systems (Google, Jembi) ● Climate and Health discussion (PATH) ● Gender-related DH programming (health.enabled) ● Hajj Health Card, ICVP and GDHCN (WHO, Ministry of Health Malaysia)	
12:30 - 13:30	Victoria 1 & 2	Track 2	Panel: **Strengthening governance and policies to achieve digital health transformation** Discussion on the role of government regulation and policy in driving the adoption and effective use of DPIs, including presentation of country case studies highlighting key tools and strategies governments can employ to promote and enable interoperability standards and DPI adoption. **Panelists:** Kiran Anandampillai (NHA, India), Dr Joyce Wamicwe (Ministry of Health, Kenya), Dr Mahesh Appanan (Ministry of Health, Malaysia), *Natschja Nash-Mendez (WHO)* **Moderated by:** *Derrick Munene (WHO)*	
13:30 - 14:30	Victoria 1 & 2	Track 2	Panel: **How to finance a shift to DPIs and standards for health sector goals?** Discussion to understand the various financing strategies and mechanisms available to support the transition to DPI-based digital health and explore the specific approaches and initiatives implemented by international donors to finance digital health projects **Panelists:** Ali Habib (World Bank), Tessa Lennemann (GIZ), Michelle Monroe (Global Fund), Adele Waugaman (USAID), Dr Ayub Manya (Ministry of Health) or Andrew Kajeguka (East Africa Commission)	

			Moderated by: *Alain Labrique (WHO)*
14:30 - 15:00		*Break*	
15:00 - 15:45	Victoria Ballroom	Joint	**Panel:** How countries are adopting FHIR and DPIs into national architectures and blueprints During this session, we will hear from two panelists about how standards are being adopted into national architectures. The presentations will highlight specific policy initiatives, how they are being implemented and any experiences on how these are being adopted ● Dr Job Nyangena (Safaricom, Kenya) ● Dr Pradheep and Dr Uditha (Ministry of Health, Sri Lanka) **Moderated by:** Anne Stake (Medtronic Labs)
15:45 - 17:00	Victoria Ballroom	Joint	Putting it together | **Examples of bringing the Full-STAC and DPIs Approach to life** (3 talks with Q&A) ● **Malaysia:** Example of leveraging FHIR and DPIs to enable national personal health record (Dr Mahesh Appanan, Malaysia) ● **Global:** Team Based Care - Leveraging FHIR for a patient centered approach for improved immunization service delivery (Matt Berg, Ona) ● **Kenya:** Experience of adapting SMART Guidelines in Kenya (Ministry of Health) **Moderated by:** Garrett Mehl (WHO)
17:00 - 17:30	Victoria Ballroom	Joint	*Closing Remarks and end of inaugural summit* Alain Labrique (WHO) Harry Kimutai (PS, Ministry of Health Kenya)

17:30 - 19:00		*Casual networking session*

Break-out sessions

Day 1, Sunday Dec 1 | DPI investment mapping and country capability assessment

14:00 - 16:00

Participants will sit with their country counterparts and others with different levels of maturity in terms of DPI and FHIR implementation and investment - grouped as participants from countries in the same region. Each group will be provided with a printed template (draft architecture template) to document their discussions, focusing on capabilities, governance and policies, strengths, and gaps.

The discussions will be centred around:
- Understanding the current landscape of Digital Public Infrastructure (DPI) investments in various countries.
- Assessing country-specific capabilities, including relevant authorities, governance mechanisms, policies, and standards related to DPIs.
- Facilitating knowledge exchange among participants with varying levels of maturity of DPI and FHIR implementation in their country.

Day 2, Monday Dec 2 | Planning a national digital architecture/blueprint

14:00 - 16:00

Similar to Day 1, participants will sit with their country counterparts and others with different levels of maturity in terms of DPI and FHIR implementation and investment - grouped as participants from countries in the same region. Groups will choose which 2 health sector goals to focus their country assessment, and collective discussion around. Immunization will drive the specificity of the conversation.

The discussions will be centred around:
- Identifying relevant DPIs for achieving patient management & continuity of care, trusted personal health records, OR supply chain optimization.
- Assessing current capabilities and identifying gaps in national digital health infrastructures.
- Determining and documenting approaches that have facilitated or hindered government-led transition to a DPIs and Interoperability standards ecosystem.
- Facilitating collaborative discussions and knowledge exchange among participants with varying levels of DPI and FHIR implementation.