



# Track 2: Architecting DPs with FHIR for Health

## Program Details

Includes joint and track 2 sessions

**Day 1:** Sunday Dec 1, 2024

Theme: Overview of the full-STAC: Introduction to FHIR, foundational and health-specific DPI

Track	Session timing	Topic
All	08:00 - 09:00	<i>Registration with coffee / light breakfast</i>
Joint	09:00 - 09:15	Welcome and Opening Remarks
Joint	09:15 - 09:45	<b>Opening keynote:</b> How open standards, Full-STAC approach and DPs accelerate digital transformation in health and beyond
Joint	09:45 - 10:30	<b>Plenary:</b> FHIR for Leaders   Why FHIR matters, intro to the spec and key concepts

All	10:30 - 11:00	<i>Break</i>
Track 2	11:00 - 11:15	<b>Digital health transformation using FHIR and Digital Public Infrastructure (DPI) for a national immunisation program</b>  <i>Country experience</i>
Track 2	11:15 - 12:00	<b>What are Foundational DPs?</b>  <ul style="list-style-type: none"> <li>- <i>What are foundational DPs, and what is their role for the ecosystem?</i></li> <li>- <i>Overview of specifications for DPs</i></li> <li>- <i>Implementation approaches, key digital functionalities, health-sector approaches to implementing DPs</i></li> <li>- <i>What foundational DPs are needed for a digital immunization program?</i></li> </ul>
Track 2	12:00 - 13:00	<b>What are health-sector DPs?</b>  <ul style="list-style-type: none"> <li>- <i>Registries and Directories</i></li> <li>- <i>Terminology services</i></li> <li>- <i>Logistics Management Information Systems</i></li> <li>- <i>Shared Health Records</i></li> <li>- <i>Health Information Exchange (HIE)</i></li> </ul>
All	13:00 - 14:00	<b>Lunch break</b>
Track 2	14:00 - 14:30	<b>What are IPS, ICVP and GDHCN?</b>  <ul style="list-style-type: none"> <li>- <i>How do these relate to a personal health record and the International Health Regulations (IHR)</i></li> </ul>

Track 2	14:30 - 16:00	<b>DPI investment mapping and country capability assessment</b> - Highlight country experiences - Introduction to the GIDH Country Needs Tracker and Country Resource Portal - Introduction to resources for planning digital health investments that leverage FHIR and DPI
All	16:00 - 16:30	Break
Joint	16:30 - 17:30	<b>Talks and Panel Discussion: GenAI for Global Health</b> Bilal Mateen (PATH), Annie Hartley (Yale, LiGHT), Vaishnavi Menon (University of Birmingham), Nneka Mobisson (mDoc), Sam (Digital Umuganda), Jay Patel (Jacaranda Health)
Joint	17:30-18:00	Day 1 recap and closing
All	18:00 - 19:30	After hours social session   <b>GenAI showcase</b>

## Day 2: Monday Dec 2, 2024

Theme: Designing national digital architecture for the health sector using FHIR and DPIs

Track	Session timing	Topic
All	08:00 - 08:45	Breakfast and networking
Joint	08:45 - 09:00	Welcome back and plan for day 2
Joint	09:00 - 09:15	Kenya Ministry of Health Welcome Address
Joint	09:15 - 10:00	<b>Panel: Global Digital Health ... All FHIR'ed Up</b> Discussion on the current state of FHIR adoption in the Global Digital Health landscape with relevant perspectives

Track 2	10:00 - 10:15	<b>Immunization program priorities</b> - Overview of priorities for immunization programs to achieve health goals - What digital capabilities are needed to deliver on these priorities?
Track 2	10:15 - 11:00	<b>Architecture and Technologies</b> Designing 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).  - Design principles - FHIR as a service - Digital supply chain architectural framework  <i>Immunization use case</i>
All	11:00 - 11:30	<i>Break</i>
Track 2	11:30 - 12:45	<b>Standards and Content</b>  - Introduction to guidance that details standards and content to support digital transformation (the SMART Guidelines approach) - The role of standards and content with DPs to achieve immunization goals - Country examples
Track 2	12:45 - 13:00	Brainstorming for unconferencing session topics
All	13:00 - 14:00	<b>Lunch break</b>

Track 2	14:00 - 15:15	<b>Planning a national digital architecture/blueprint</b> for health using DPIs to achieve continuity of care, trusted personal health records for citizens and supply chain optimization.  <i>Immunization use case</i>
Track 2	15:15 - 16:00	<b>Unconferencing session</b>
All	16:00 - 16:30	<i>Break</i>
Joint	16:30 - 18:00	<b>Building with FHIR Implementer's Showcase</b> Series of lightning talks from implementers on how they have used FHIR throughout their solutions to solve specific problems
Joint	18:00 - 18:30	Day 2 recap and closing
All	18:30 - 20:30	<b><i>Gala dinner for all participants</i></b>

### Day 3: Tuesday Dec 3, 2024

Theme: Enabling the ecosystem for DPI-H investment and implementation: Leadership, Governance, Policy & Financing and Bringing it all together

Track	Session timing	Topic
All	08:00 - 09:00	Breakfast and networking
Track 2	09:00 - 09:15	Recap from Track 2 Days 1 and 2
Track 2	09:15 - 10:00	TBD

Track 2	10:00-11:00	<p><b>How digital can facilitate sustainable financing of the health sector</b></p> <p><i>How DPIs + Standards make possible health sector tracking of health accounts, payments, and claims - and the possibility of sustainable financing of the health sector</i></p>
All	11:00-12:30	<p><b>Extended lunch break</b> (Climate and Health discussion, Gender-related DH programming, Hajj Health Card)</p>
Track 2	12:30-13:45	<p><b>Strengthening governance and policies</b> across health and ICT sectors to achieve digital health transformation</p> <ul style="list-style-type: none"> <li>- <i>Governance of digital health investments</i></li> <li>- <i>Ensuring that investments contribute to government blueprints, specifications and policies</i></li> <li>- <i>What countries are doing around interoperability regulation and cybersecurity</i></li> <li>- <i>How to foster a healthy public-private ecosystem</i></li> </ul>
Track 2	13:45-14:30	<p><b>How to finance a shift to DPIs and standards for health sector goals?</b></p>
All	14:30-15:00	<p><i>Break</i></p>
Joint	15:00-15:45	<p><b>Panel:</b> How countries are adopting FHIR into national architectures and blueprints</p>
Joint	15:45-17:00	<p><b>Putting it together with the Full-STAC Approach</b> 3 x 20 minute talks with Q&amp;A showcasing the Full-STAC approach</p>
Joint	17:00 - 17:30	<p><i>Closing Remarks and end of inaugural summit</i></p>
All	17:30 - 19:00	<p>Casual networking session with drinks and finger food</p>