

# Technical Working Group

This page represents the hierarchy of activities performed by the Technical Working Group.

## Members

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## Active Work

1. Write down [Real World Integration Experiences](#) (by Nov 23rd)
2. Abstract [Real World Integration experiences](#) into generic interoperability workflows and user personas, we can build out technical workflows (by Dec 7th)
3. Use them to figure out [proposed architectures](#) and use them to figure out a value proposition which includes user workflows
4. Once we build out technical workflows, we can compare them against the existing OpenHIE workflows (roughly by the 15th of Dec)
5. Then, we can identify FHIR specifications and begin make decisions on implementation details
6. All CHIS can generate FHIR Patient resource
7. All CHIS can generate FHIR Practitioner resource
8. All CHIS can fetch ServiceRequest from HIE
9. All CHIS can "claim" ServiceRequest from HIE
10. All CHIS can initiate sending a task to CHWs based on the ServiceRequest
11. All CHIS can send Encounter resource to HIE

## TWG Workplan/Roadmap

Planned Date	Description	Notes
2021- January-15	Priority use cases and software identified <ul style="list-style-type: none"><li>▪ <a href="#">Draft workflow diagrams</a></li><li>▪ <a href="#">Draft indicators for priority use cases</a></li></ul>	The Delphi Study was meant to help identify the priority use cases but there were some delays in the start of it. In the meantime, we have based the proof of concept on the Lost to Follow-Up use case. This only aligns well with some of the work being done in the <a href="#">Data Use Community</a> and is also a use case that several consortium members have experience implementing in the field.
2021- January-15	HL7 FHIR, HIE profiles and CQL for reference architecture reviewed <ul style="list-style-type: none"><li>▪ List of definitions of <a href="#">foundational resources</a></li><li>▪ Gap analysis for CHIS related needs</li><li>▪ Analysis of deployment options</li></ul>	The consortium has chosen to deploy the Proof of Concept using <a href="#">Instant OpenHIE</a> . The prototype is being built with 4 key FHIR resources.

2021- January-30	Proposed reference architecture sketched out, software identified, and mapped to OpenHIE architecture <ul style="list-style-type: none"> <li>▪ <a href="#">Architecture and data flow diagram</a> created</li> </ul>	The Proof of Concept utilizes the Instant OpenHIE <a href="#">architecture</a> .
2021- February-26	Key CHIS capabilities and components mapped to WHO classifications	Pending Delphi study outputs.
2021- March-15	Shared concept library and associated concept map identified or developed <ul style="list-style-type: none"> <li>• List of required concepts</li> <li>• Selection of available libraries and tooling</li> <li>• Gap analysis</li> <li>• Standardized HL7 FHIR artifacts</li> </ul>	The initial proof of concept for the Lost to Follow-Up use case is being built around a minimal set of terminology/concepts.
2021- March-31	Proof-of concept built <ul style="list-style-type: none"> <li>• <a href="#">All components installed on shared infrastructure</a> and configured to support chosen use cases</li> <li>• Documented consensus that the workflow is meeting requirements</li> <li>• Working prototype as a reference</li> <li>• (TBD) PoC built with "second choice" tooling</li> </ul>	Instant OpenHIE has been installed on shared infrastructure and a number of FHIR resources have been profiled and all three CHIS' are able to generate these resources and see them created in the HAPI FHIR server. The ServiceRequest workflow is still WIP. Information related to the proof of concept infrastructure can be found <a href="#">here</a> .
2021-May-31	Documentation completed <ul style="list-style-type: none"> <li>• Documented consensus - Delphi study findings published</li> <li>• Technical docs complete</li> </ul>	Pending Delphi study outputs.
2021-May-31	Learnings socialized with wider CoP <ul style="list-style-type: none"> <li>• Documentation site chosen and created</li> <li>• Technical and other documentation created and prepared for public dissemination</li> <li>• Document covering known limitations</li> <li>• Posts and webinars on predetermined fora</li> <li>• Targeted publications and marketing</li> </ul>	Ongoing

## Child Pages

- [CHIS Definition and Actors](#)
- [CHIS FHIR Profiling](#)

- [CHW Interoperability Workflows](#)
- [Proposed Architectures](#)
- [Real World Integration Experiences](#)
- [Technical Interoperability Modifications to existing CHIS](#)
- [Use Case Summary: Request Community Based Follow-Up](#)