

# 2019 Meeting Agenda

## Session Types

**Plenary:** Keynote and panel discussions where attendees come together.

**Conference Session:** These sessions are chosen by the organizers based on community input around community proposed topics for unconference sessions and to highlight OpenHIE.

**"Unconference" Sessions:** Community-defined topics that are chosen at the conference venue. This is crowd-sourcing to meet the evolving needs of attendees.

**Showcase/Product Demo:** Solutions that align with the OpenHIE Architecture will be on display for attendees to explore.

- (Monday, November 4) - OpenHIE Academy Intro Courses
- (Tuesday, November 5) - General Meeting
- (Wednesday, November 6) - General Meeting
- (Thursday, November 7) - General Meeting
- (Friday, November 8) - Hackconnect-a-thon

## Collaborative Note Taking

While we plan to have assigned note takers for Community Meeting sessions we do strongly encourage those having ad hoc meetings to take virtual / collaborative notes and post them to this wiki page. Below are instructions on how to create an OpenHIE community ether pad and a table to keep your notes so you can easily find them later.

1. Go to <https://notes.ohie.org>
2. Type in "YYYY-MM-DD Topic Title"
3. Hit "OK" and ether pad will create the page for you
4. Add the Topic and URL in the table below

| Topic                                                                                                                                                         | Date            | Notes                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------|
| Architecture F2F Meeting                                                                                                                                      | Sunday, Nov 3rd | 2019-11-03 OHIE Architecture Face-to-face Meeting |
| openIMIS developer meeting                                                                                                                                    | Tues-Thurs      | Meeting link and agenda                           |
| Use cases / Scenarios - OHIE needs your input to capture the use cases / scenarios that OHIE is being used to address. Please add your scenarios / use cases! | NA              | Use cases / scenarios                             |

## Small Group Conversations

Are you looking to meet up and have a side conversation with someone or a group. Let's add them here and

| What's the topic you would like to discuss?                                                                                                                                                                                                                                                                                                                                                                                               | Who is suggesting this topic?      | Where and where are you going to meet?  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------|
| I would love to see more OHIE projects in nations disseminate their lessons and results. This could be from evaluations or even just descriptions of what they are doing and what they have achieved. I am especially interested in putting together a report like this one published on high-income countries: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6815656/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6815656/</a> | Brian Dixon, Regenstrief Institute | See me at lunch, dinner, coffee breaks. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                         |
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**(Monday, November 4) - OpenHIE Academy Intro Courses**

| Time                                                                                                 | Location       | Session Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Presenter (s)                                                                                                        | Notes & Slides<br><br>*Please post presentation slides here                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 - 8:30                                                                                          |                | Registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8:30 - 9:00                                                                                          | Ballroom       | <b>Welcome Remarks and Overview of the Academy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Dr Amanuel Haile, Mekelle University College of Health Sciences<br><br>Organizer: Araya Medhanyie                    | Notes Page: <a href="https://notes.ohie.org/2019-11-04_Welcome_Remarks_Academy_Overview">https://notes.ohie.org/2019-11-04_Welcome_Remarks_Academy_Overview</a>                                                                                                                                                                                                                                                                  |
| 9:00 - 10:00                                                                                         | Ballroom       | <b>History of OpenHIE and How to Leverage It</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Paul Biondich                                                                                                        | Notes Page: <a href="https://notes.ohie.org/2019-11-04_History_OpenHIE_How_to_Leverage">https://notes.ohie.org/2019-11-04_History_OpenHIE_How_to_Leverage</a><br><br>Slides: <a href="https://drive.google.com/file/d/1uuPyHk3zGpNGVVawUq4Jy8Jnhoh57cGf/view?usp=sharing">https://drive.google.com/file/d/1uuPyHk3zGpNGVVawUq4Jy8Jnhoh57cGf/view?usp=sharing</a>                                                                 |
| 10:00 - 11:00                                                                                        | Ballroom       | <b>Academy Course: Intro to HIE and OpenHIE - Concepts and Conventions</b><br><br><i>Are you new to health information exchange and OpenHIE? This course overviews the essential concepts of HIEs and common terms and acronyms used by the community. Participants will enhance their fluency in the field and learn how HIEs are catalysts for data use - and why they are essential for achieving both the SDGs and Universal Health Coverage (UHC). <a href="https://wiki.ohie.org/display/documents/Glossary">https://wiki.ohie.org/display/documents/Glossary</a></i> | Instructor: Carl Fourie<br><br>Facilitators: Measho Gebreselasie & Rigat Ashebir                                     | Slides: <a href="https://docs.google.com/presentation/d/1NBdeX3aUQeYHO8kzukF5CUJdd3ulBVHtQadS8iqVKjc/edit?usp=sharing">https://docs.google.com/presentation/d/1NBdeX3aUQeYHO8kzukF5CUJdd3ulBVHtQadS8iqVKjc/edit?usp=sharing</a>                                                                                                                                                                                                  |
| 11:00 - 11:30                                                                                        |                | Coffee Break and Network                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 11:30 - 1:00                                                                                         | Ballroom       | <b>Academy Course: Introduction to OpenHIE - Architectural Conventions and Standards</b><br><br><i>What constitutes a HIE implementation and what do the images in the OpenHIE architectural framework represent? Participants will take a deeper dive into the OHIE architecture specification and learn how it can be used in part or in whole to establish enterprise data sharing.</i>                                                                                                                                                                                  | Instructor: Jennifer E Shivers<br><br>Facilitator: Samuel Yohannes                                                   | Slides: <a href="https://docs.google.com/presentation/d/10qihWU0Rahi2_zSM2wK0WgYVCQ26dJaL73hKbDdWs/edit#slide=id.g629bb2147e_0_0">https://docs.google.com/presentation/d/10qihWU0Rahi2_zSM2wK0WgYVCQ26dJaL73hKbDdWs/edit#slide=id.g629bb2147e_0_0</a><br><br>Notes Page: <a href="https://notes.ohie.org/2019-11-03_Academy_Intro_to_OHIE_Architecture">https://notes.ohie.org/2019-11-03_Academy_Intro_to_OHIE_Architecture</a> |
| 1:00 - 2:15                                                                                          | Ballroom       | Lunch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2:15 - 3:30<br><br>(Participants choose the Academy Course or the Leadership and Governance Session) | Ballroom       | <b>Academy Course: All About Registries and Workflows</b><br><br><i>What is the difference between a master facility list and a facility registry? How do private and public health care providers share data? When does a client registry become a shared health record? In this course you will develop literacy about common registries and services in a HIE, the interoperability layer, and how mediators can address many needs for customization.</i>                                                                                                               | Instructor: Carl Leitner<br><br>Facilitator: Abraham Gebregiorgis                                                    | Slides: <a href="https://docs.google.com/presentation/d/1EMr4o3H23EXKyHKhNxA8UEK5ugav6Xn2Wf-ye54taKk/edit">https://docs.google.com/presentation/d/1EMr4o3H23EXKyHKhNxA8UEK5ugav6Xn2Wf-ye54taKk/edit</a>                                                                                                                                                                                                                          |
|                                                                                                      | Meeting Room 1 | <b>Leadership and Governance: Applying Health Information Exchange to Real World Scenarios</b><br><br><i>In this course, participants will engage in discussions of realistic scenarios in which data exchange can lead to better health outcomes, surveillance, and health systems management. Participants will learn how data exchange enhances clinical care, decision support, and M&amp;E.</i>                                                                                                                                                                        | Vikas Dwivedi<br><br>Araya Medhanyie<br><br>Solomon Simba<br><br>TBD                                                 | Notes page: <a href="https://notes.ohie.org/2019-11-04_Real_Word_Use_Cases">https://notes.ohie.org/2019-11-04_Real_Word_Use_Cases</a>                                                                                                                                                                                                                                                                                            |
| 3:30 - 3:45                                                                                          |                | Coffee Break and Networking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3:45 - 4:45<br><br>(Participants choose the Academy Course or the Leadership and Governance Session) | Ballroom       | <b>Academy Course: Overview of Global Data Standards</b><br><br><i>What are global standards in health IT? Why do we need them? This course demystifies the complexities of global standards, how they are created, and why they are used. Participants will learn about the institutions involved in the creation and adoption of standards, Regenstrief (LOINC), Health Level 7 (FHIR) and Integrating the Health Enterprise (mCSD, among many others), and understand how standards are used in OpenHIE Architecture Workflows.</i>                                      | Instructor: Luke Duncan Jonathan Payne<br><br>Collaborator: Caroline Macumber<br><br>Facilitator: Tesfit Gebremeskel | Slides: <a href="https://docs.google.com/presentation/d/111_tkUxVM2qmLkKud0qyEME5BuKbXHSj5_dwnWpVRI4/edit?usp=sharing">https://docs.google.com/presentation/d/111_tkUxVM2qmLkKud0qyEME5BuKbXHSj5_dwnWpVRI4/edit?usp=sharing</a>                                                                                                                                                                                                  |
|                                                                                                      | Meeting Room 1 | <b>Leadership and Governance: What is a Global Good?</b><br><br><i>This presentation provides an overview of what is a Global Good and how they address specific business domains within the health information ecosystem. Where does OpenHIE fit in and provide a blueprint, using best practices in interoperability and open standards, for bringing these global goods together?</i>                                                                                                                                                                                    | Carl Fourie<br><br>TBD (co-leads from other global goods)                                                            | <a href="https://docs.google.com/presentation/d/1-d_Dn8_YcJ1iACO94ATHY2uZpp1JHPykJsendlXngHQ/">https://docs.google.com/presentation/d/1-d_Dn8_YcJ1iACO94ATHY2uZpp1JHPykJsendlXngHQ/</a>                                                                                                                                                                                                                                          |
| 4:45 - 5:00                                                                                          | Ballroom       | Wrap up and reflections from the day<br><br><i>**Group photo will be at 5pm in the courtyard outside the ballroom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Organizer: Araya Medhanyie                                                                                           | <a href="https://notes.ohie.org/2019-11-04_academy_wrapup">https://notes.ohie.org/2019-11-04_academy_wrapup</a>                                                                                                                                                                                                                                                                                                                  |

## (Tuesday, November 5) - General Meeting

| Time          | Location       | Session Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Presenter(s)                                                                                                        | Slides<br><br>*Please post presentation slides here                                                                                                                                                                                                               |
|---------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 - 8:30   |                | Registration/Networking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                     |                                                                                                                                                                                                                                                                   |
| 8:30 - 9:00   | Ballroom       | <b>Formal Opening of the Meeting and Welcome Remarks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | H.E Dr. Amir Aman, Federal Ministry of Health of Ethiopia<br><br><i>Minister of Health</i>                          |                                                                                                                                                                                                                                                                   |
| 9:00 - 9:45   | Ballroom       | <b>Public Health Challenges &amp; HIE Vision in Ethiopia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mrs. Biruk Abate, Federal Ministry of Health of Ethiopia<br><br>Director of Plan Policy and M&E Directorate (PPMED) | The Slides presented by Hibret (DUP): <a href="https://drive.google.com/drive/u/1/folders/1h1j0ZuDngSeLFTLjwcU-dIVVpHo2-ckt">https://drive.google.com/drive/u/1/folders/1h1j0ZuDngSeLFTLjwcU-dIVVpHo2-ckt</a>                                                     |
| 9:45 - 10:15  | Ballroom       | <b>Unveiling the "Unconferencing" Approach: How to get the most out of the OpenHIE Community Meeting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Carl Fourie                                                                                                         |                                                                                                                                                                                                                                                                   |
| 10:15 - 11:15 |                | Networking Coffee Break and "Unconference" Voting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                     |                                                                                                                                                                                                                                                                   |
| 11:15 - 12:00 | Ballroom       | <b>Conference Session: Setting terminology, exchange, and security standards for electronic disease surveillance for the African region</b><br><br><i>Africa Centers for Disease Control and Prevention (Africa CDC) was established in 2017 with authorities to harmonize disease control and prevention policies and surveillance systems and set standards for surveillance in Africa. Africa CDC embarked on an environmental scan to understand the extent of electronic information systems and technology in use for surveillance and the underlying information policies and standards that enable interoperability and continental data sharing and protection in Africa. Africa CDC also examined globally-available and relevant frameworks for electronic public health data exchange and standards organizations and communities of practice that can be leveraged to set terminology, exchange, and security standards for electronic disease surveillance for the African region."</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Dr. Jay K. Varma, U.S. Centers for Disease control and Prevention<br><br>Senior Advisor to Africa CDC               | Notes Page: <a href="https://notes.ohie.org/2019-11-05_Africa_CDC">https://notes.ohie.org/2019-11-05_Africa_CDC</a>                                                                                                                                               |
| 12:00 - 12:45 | Ballroom       | <b>Conference Session: Aligning HIS to Epidemic Control</b><br><br>As countries approach HIV Epidemic Control and move towards the 95.95.95 objectives, their data needs vary depending on specific programmatic objectives. More and more, we see increasing needs for patient-level data to monitor patients through the treatment cascade. Single sourced data from Electronic Medical Records have also proven to be incomplete to tell the bigger picture. Data from service delivery systems, such as laboratory and logistics, are becoming essential to increase retention and tell a more complete story of a country's HIV response. Data exchange and interoperability is now a required capability in our HIS eco-system. The data needs are changing both in variety and velocity. We are moving towards close-to real-time availability of patient-level as well as aggregate data to increase effectiveness as well as determine early course corrections and interventions. The indicators needed are also becoming more and more local and temporary to focus on specific programmatic activities. The analytics and visuals expected also require more predictive and prescriptive approaches using machine learning and advances in visualization. In general, we are now in a new era where data is integrated from multiple-systems; indicators are local and temporary, and our analytics needs are moving predictive beyond the diagnostic paradigm. | Presenter: Nega Gebreyesus<br><br>Facilitator: Manish Kumar                                                         | Slides presented by Nega: <a href="#">Aligning HIS to Epidemic ControlOpenHIEConference.pptx</a><br><br>Notes Page: <a href="https://notes.ohie.org/2019-11-05_Aligning_HIS_Epidemic_Control">https://notes.ohie.org/2019-11-05_Aligning_HIS_Epidemic_Control</a> |
| 12:45 - 2:15  | Ballroom       | Lunch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                                                                                                                                                   |
| 2:15 - 3:00   | Ballroom       | <b>Conference Session: Playing with FHIR</b><br><br><i>Fishbowl: Audience participation encouraged and expected</i><br><br><i>Relationship between FHIR and OpenHIE. How does it work into workflows, standards and profiles. Implementers share where and why they have used it.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Carl Fourie Luke Duncan Bryn Rhodes Ryan Crichton Casey Iiams-HauserCarl Leitner                                    | Notes Page: <a href="https://notes.ohie.org/2019-11-05_Playing_with_FHIR">https://notes.ohie.org/2019-11-05_Playing_with_FHIR</a>                                                                                                                                 |
|               | Meeting Room 1 | <b>"Unconference" Session: Product Registry and Supply Chain</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Josh Zamor                                                                                                          | Notes Page: <a href="https://notes.ohie.org/2019-11-05_Product_Registry_&amp;_Supply_Chain">https://notes.ohie.org/2019-11-05_Product_Registry_&amp;_Supply_Chain</a>                                                                                             |
|               | Meeting Room 2 | <b>"Unconference" Session: Implementation and Operationalization of HIES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brian Dixon                                                                                                         | Notes Page: <a href="https://notes.ohie.org/2019-11-05_Implement_&amp;_Operation_HIE">https://notes.ohie.org/2019-11-05_Implement_&amp;_Operation_HIE</a>                                                                                                         |
| 3:00 - 3:15   |                | Coffee Break and Networking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                     |                                                                                                                                                                                                                                                                   |
| 3:15 - 4:00   | Ballroom       | <b>"Unconference" Session: Privacy and Security</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Nathan Volk                                                                                                         | Notes Page: <a href="https://notes.ohie.org/2019-11-05_Privacy_and_Security">https://notes.ohie.org/2019-11-05_Privacy_and_Security</a>                                                                                                                           |
|               | Meeting Room 1 | <b>"Unconference" Session: FHIR Version Differences between Systems Exchanging Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bryn Rhodes                                                                                                         | Note Page: <a href="https://notes.ohie.org/2019-11-15_FHIR_Version_Differences">https://notes.ohie.org/2019-11-15_FHIR_Version_Differences</a>                                                                                                                    |

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|             | Meeting Room 2 | <b>Showcase/Product Demo</b><br><br><i>Solutions that align with the OpenHIE Architecture will be on display for attendees to explore. (2-3 demo spots)</i> | <b>1. openELIS Global 2.0</b><br>- Casey Iiams-Hauser<br><br><b>2. Community Health Toolkit</b> - <a href="#">Michael Kohn</a> |                                                                                                                                               |
| 4:00 - 4:15 |                | Transition Break                                                                                                                                            |                                                                                                                                |                                                                                                                                               |
| 4:15 - 5:00 | Ballroom       | Wrap up and reflections from the Day1<br><br><i>**Group photo will be at 5pm in the courtyard outside the ballroom</i>                                      | <a href="#">Hibret Alemu</a>                                                                                                   | Notes page: <a href="https://notes.ohie.org/2019-11-05_Wrap-up_and_Reflections">https://notes.ohie.org/2019-11-05_Wrap-up_and_Reflections</a> |

## (Wednesday, November 6) - General Meeting

| Time          | Location           | Session Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Presenter(s)                                                          | Slides<br><br>*Please post presentation slides here                                                                                                                                                                                                                                                                                                                                        |
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| 8:30 - 9:00   | Ballroom           | Opening and Recap from Day 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Carl Fourie</a>                                           |                                                                                                                                                                                                                                                                                                                                                                                            |
| 9:00 - 9:30   | Ballroom           | <b>OpenHIE State of the Union</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Paul Biondich</a>                                         | Slides: <a href="https://drive.google.com/open?id=1ImFtnVZ9RSahWqcHq8aw0ExdLDVu1qR1">https://drive.google.com/open?id=1ImFtnVZ9RSahWqcHq8aw0ExdLDVu1qR1</a>                                                                                                                                                                                                                                |
| 9:30 - 9:35   |                    | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                            |
| 9:35 - 10:20  | Ballroom           | <b>Conference Session: National Health Data Dictionary Design and Maturity Mapping</b><br><br><i>During this session we will walk through key maturity levels in a country's journey to develop a national health data dictionary (NHDD) and the role of terminology services to promote adoption of an NHDD to improve information exchange. We will use real project examples, from Ethiopia and PEPFAR, to illustrate each step in the maturity model. We will also review the preliminary results of the OpenHIE Terminology Services survey. Come ready to add your own questions and challenges to the discussion!</i><br><br><i>Open for input: The <a href="http://bit.ly/ohietssurvey">OpenHIE Terminology Survey</a> (<a href="http://bit.ly/ohietssurvey">http://bit.ly/ohietssurvey</a>) was created to understand how countries are using terminology and related software tools, such as a terminology service. We would welcome a response from any participants here at the OpenHIE Community Meeting.</i> | <a href="#">Jonathan Payne</a> ,<br><a href="#">Caroline Macumber</a> | Slides: <a href="http://bit.ly/ts-maturity">http://bit.ly/ts-maturity</a><br><br>Notes Page: <a href="https://notes.ohie.org/2019-11-06_NHDD_Design_Maturity_Mapping">https://notes.ohie.org/2019-11-06_NHDD_Design_Maturity_Mapping</a><br><br>Resource: See Implementation Guide section here: <a href="https://ohie.org/terminology-service/">https://ohie.org/terminology-service/</a> |
|               | Meeting Room 2     | <b>"Unconference" Session: Geospatial Interoperability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Pierre Dane</a>                                           | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Geospatial_Interoperability">https://notes.ohie.org/2019-11-06_Geospatial_Interoperability</a>                                                                                                                                                                                                                                      |
|               | Meeting Room 1     | <b>"Unconference" Session: Tanzania Health Information Exchange</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TZ Team                                                               | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Tanzania_HIE">https://notes.ohie.org/2019-11-06_Tanzania_HIE</a>                                                                                                                                                                                                                                                                    |
| 10:20 - 10:30 |                    | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                            |
| 10:30 - 11:15 | Ballroom           | <b>Conference Session: Hackconnect-a-thon: How to say it and what is it?</b><br><br><i>An overview of what the Hackconnect-a-thon is, outcomes of last year's hackconnect-a-thon, and plans for this year's session.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Daniel Futerman</a>                                       | Slides: <a href="https://docs.google.com/presentation/d/1obHjfnDDRraTza9j1Xj9cDvxLT3ZWTq581VUN_ZbMc/">https://docs.google.com/presentation/d/1obHjfnDDRraTza9j1Xj9cDvxLT3ZWTq581VUN_ZbMc/</a><br><br>Notes Page: <a href="https://notes.ohie.org/2019-11-06_Hackconnect-a-thon_What_Is_It">https://notes.ohie.org/2019-11-06_Hackconnect-a-thon_What_Is_It</a>                             |
|               | Meeting Room 1 & 2 | <b>"Unconference" Session: Minimum Dataset for Shared Health Record and Personal Health Record</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Semere Lemma</a>                                          | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Minimum_Dataset_Shared_Health_Record">https://notes.ohie.org/2019-11-06_Minimum_Dataset_Shared_Health_Record</a>                                                                                                                                                                                                                    |
| 11:15 - 11:25 |                    | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                            |
| 11:25 - 12:10 | Ballroom           | <b>"Unconference" Session: HIV and TB Case Surveillance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Eric-Jan Manders</a><br><a href="#">Anis Fuad</a>         | Notes Page: <a href="https://notes.ohie.org/2019-11-06_HIV_TB_Case_Surveillance">https://notes.ohie.org/2019-11-06_HIV_TB_Case_Surveillance</a>                                                                                                                                                                                                                                            |
|               | Meeting Room 1     | <b>"Unconference" Session: DHIS2 FHIR Roadmap: Community Input</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Carl Leitner</a>                                          | Notes Page: <a href="https://notes.ohie.org/2019-11-06_DHIS2_FHIR_Roadmap_Community_Input">https://notes.ohie.org/2019-11-06_DHIS2_FHIR_Roadmap_Community_Input</a>                                                                                                                                                                                                                        |

|               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | Meeting Room 2 | <b>Showcase/Product Demo</b><br><br><i>Solutions that align with the OpenHIE Architecture will be on display for attendees to explore. (2-3 demo spots)</i>                                                                                                                                                                                                                                                                                                                                              | 1. <b>Mapper</b> - Thomas Zemp<br>2. <b>Common Geo-Registry</b> - Nathan McEachen<br>3. <b>OpenHIM</b> - Matthew Dickie                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 12:10 - 12:20 |                | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 12:20 - 1:05  | Meeting Room 2 | <b>"Unconference" Session: Patient Data Challenges and Secondary Use of Patient-level Data</b>                                                                                                                                                                                                                                                                                                                                                                                                           | Richard Stanley<br>Annah Ngaruro<br>Carl Leitner<br>Emily Nicholson                                                                                                                | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Patient_Data_Challenges_Secondary_Use">https://notes.ohie.org/2019-11-06_Patient_Data_Challenges_Secondary_Use</a>                                                                                                                                                                                                                                                         |
|               | Meeting Room 1 | <b>"Unconference" Session: Unique ID of Patients across Cascade of Care</b>                                                                                                                                                                                                                                                                                                                                                                                                                              | Lubwama Samuel                                                                                                                                                                     | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Unique_Patient_ID_Across_Cascade_Care">https://notes.ohie.org/2019-11-06_Unique_Patient_ID_Across_Cascade_Care</a>                                                                                                                                                                                                                                                         |
|               | Ballroom       | <b>Showcase/Product Demo</b><br><br><i>Solutions that align with the OpenHIE Architecture will be on display for attendees to explore. (2-3 demo spots)</i>                                                                                                                                                                                                                                                                                                                                              | 1. <b>openIMIS</b> - Anis Fuad & Uwe Wahser<br>2. <b>Lab Information System with Smart Care</b> - Eyoel Mitiku & Kalechristos Abebe<br>3. <b>Open Concept Lab</b> - Jonathan Payne | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Showcase_Product_Demo">https://notes.ohie.org/2019-11-06_Showcase_Product_Demo</a>                                                                                                                                                                                                                                                                                         |
| 1:05 - 2:15   | Ballroom       | Lunch / Networking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2:15 - 3:00   | Ballroom       | <b>Emerging HIE Use Cases</b><br><br><i>There are several use cases that the larger community is addressing. The purpose of this session is to provide an overview of some of the health use cases that are currently being explored.</i>                                                                                                                                                                                                                                                                | Facilitator: Jennifer E Shivers<br><br>Panelists:<br>Annah Ngaruro,<br>Uwe Wahser, Josh Zamor<br><br>Christina White                                                               | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Emerging_HIE_Use_Cases">https://notes.ohie.org/2019-11-06_Emerging_HIE_Use_Cases</a><br><br>Slides: <a href="https://docs.google.com/presentation/d/1gB6yfvodR85BCtpQWFrW58wrbgPueZ1M-CQFCmNuCM/">https://docs.google.com/presentation/d/1gB6yfvodR85BCtpQWFrW58wrbgPueZ1M-CQFCmNuCM/</a>                                                                                  |
| 3:00 - 3:30   |                | Coffee & Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 3:30 - 4:15   | Ballroom       | <b>Conference Session: General Principles for Client Identity</b><br><br><i>The client registry is an essential component of an HIE supporting functions for record linkage and care coordination. This session will be a discussion around the general principles for handling client identities such as; support for multiple identification methods, handling of privacy/security/confidentiality, developing a reference implementation and tools for human adjudicated identity reconciliation.</i> | Shaun Grannis<br>Eric-Jan Manders                                                                                                                                                  | Notes Page: <a href="https://notes.ohie.org/2019-11-05_General_Principles_Client_Identity">https://notes.ohie.org/2019-11-05_General_Principles_Client_Identity</a><br><br>Slides (In progress...)<br><br><a href="https://docs.google.com/presentation/d/1Ti3uE-DsTo4LJ3mCama6TnzsqiCM50scM5ReOzG0laQ/edit#slide=id.p2">https://docs.google.com/presentation/d/1Ti3uE-DsTo4LJ3mCama6TnzsqiCM50scM5ReOzG0laQ/edit#slide=id.p2</a> |
|               | Meeting Room 1 | <b>"Unconference" Session: Regional Data Hub Connectivity with Transport, Education, etc.</b>                                                                                                                                                                                                                                                                                                                                                                                                            | Brian Dixon                                                                                                                                                                        | Notes Page: <a href="https://notes.ohie.org/2019-11-06_Regional_Data_Hub_Connectivity">https://notes.ohie.org/2019-11-06_Regional_Data_Hub_Connectivity</a>                                                                                                                                                                                                                                                                       |
|               | Meeting Room 2 | <b>"Unconference" Session: Lab Information Systems Subcommunity and Lab Data Exchange</b>                                                                                                                                                                                                                                                                                                                                                                                                                | Jan Flowers<br>Rita Sembajwe                                                                                                                                                       | Notes Page: <a href="https://notes.ohie.org/2019-11-06_LIS_Subcommunity_Lab_Data_Exchange">https://notes.ohie.org/2019-11-06_LIS_Subcommunity_Lab_Data_Exchange</a>                                                                                                                                                                                                                                                               |
| 4:15 - 4:30   |                | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 4:30 - 5:00   | Ballroom       | Wrap up and reflections from Day 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                    | Notes Page: <a href="https://notes.ohie.org/2019-11-06_OHIE_Community_Meeting_Day_Wrap_up">https://notes.ohie.org/2019-11-06_OHIE_Community_Meeting_Day_Wrap_up</a>                                                                                                                                                                                                                                                               |

## (Thursday, November 7) - General Meeting

| Time          | Location       | Session Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Presenter(s)                                                                                                                                                                                                                                                                                                                                                                      | Slides<br><br>*Please post presentation slides here                                                                                                                                                                                                                                                                                                             |
|---------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 - 8:30   | Ballroom       | Opening and Recap from Day 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Carl Fourie                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                 |
| 8:30 - 9:15   | Ballroom       | <b>Governance of HIE</b><br><br><i>A panel of country experts will share their challenges, lessons learned and best practices around setting up governance around architecture for health information exchange.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Facilitator: <a href="#">Paul Biondich</a><br><br>Speakers:<br><ul style="list-style-type: none"> <li>• <b>Paul Mbaka:</b> MoH Uganda, Division of Health Information</li> <li>• <b>Eyob Kebede:</b> FMOH Ethiopia, Director, Health Information Technology Directorate</li> <li>• <b>Silvanus Ilomo:</b> MOH Tanzania</li> <li>• <b>Walter Ndesanjo:</b> MOH Tanzania</li> </ul> | Notes page: <a href="https://notes.ohie.org/2019-11-07_Governance_for_HIE">https://notes.ohie.org/2019-11-07_Governance_for_HIE</a>                                                                                                                                                                                                                             |
| 9:15 - 9:25   |                | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                 |
| 9:25 - 10:10  | Ballroom       | <b>Conference Session: Instant OpenHIE</b><br><br><i>What is it? How will it help me? What's the MVP and the timeline?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Richard Stanley</a> , <a href="#">Daniel Futerman</a> , <a href="#">Carl Fourie</a> , <a href="#">Carl Leitner</a> , <a href="#">Ryan Crichton</a>                                                                                                                                                                                                                    | Notes Page: <a href="https://notes.ohie.org/2019-11-07_Instant_OpenHIE">https://notes.ohie.org/2019-11-07_Instant_OpenHIE</a><br><br>Slides: <a href="https://drive.google.com/open?id=1PPw8HvGd_3ym3JomR1r-cmBzAsIGdsqFRa8GmFCexlc">https://drive.google.com/open?id=1PPw8HvGd_3ym3JomR1r-cmBzAsIGdsqFRa8GmFCexlc</a>                                          |
|               | Meeting Room 1 | <b>"Unconference" Session: Shared Health Record using Blockchain</b><br><br>1. Blockchain and shared health record overview<br>2. FHIR vs Blockchain<br>3. Blockchain use cases in health care interoperability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Samson Yohannes Amare</a>                                                                                                                                                                                                                                                                                                                                             | Notes Page: <a href="https://notes.ohie.org/2019-11-07_Shared_Health_Record_Blockchain">https://notes.ohie.org/2019-11-07_Shared_Health_Record_Blockchain</a>                                                                                                                                                                                                   |
|               | Meeting Room 2 | <b>"Unconference" Session: Evaluation of OpenHIE Projects /Implementation</b><br><br>HIE implementation needs an evaluation framework and evaluation activities for existing implementations. Future donor funding will depend on demonstrating value from the implementation of a health information exchange. This session will focus on several questions including: <ul style="list-style-type: none"> <li>• How do we know or will we know that HIE is working and meeting the intended goals?</li> <li>• How do we continuously improve HIE processes and capabilities?</li> <li>• Are we getting the value of HIE implemented?</li> <li>• What is the cost of implementing HIE?</li> </ul> | <a href="#">Vikas Dwivedi</a><br><br><a href="#">Eric-Jan Manders</a><br><br><a href="#">James Kariuki</a>                                                                                                                                                                                                                                                                        | Notes Page: <a href="https://notes.ohie.org/2019-11-07_Evaluation_OpenHIE">https://notes.ohie.org/2019-11-07_Evaluation_OpenHIE</a>                                                                                                                                                                                                                             |
| 10:10 - 10:30 |                | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                 |
| 10:30 - 11:15 | Ballroom       | <b>"Unconference" Session: Facility Registry and GOFR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Emily Nicholson</a> <a href="#">Martin Osumba</a> <a href="#">Jason Knueppel</a> <a href="#">Ally Shaban</a> <a href="#">Rita Sembajwe</a>                                                                                                                                                                                                                            | Notes Page: <a href="https://notes.ohie.org/2019-11-07_Facility_Registry_GOFR">https://notes.ohie.org/2019-11-07_Facility_Registry_GOFR</a><br><br>Presentation: <a href="https://drive.google.com/drive/u/1/folders/1ucMfKwy8X8qFEc1VDqs1PKPig2uZh3">https://drive.google.com/drive/u/1/folders/1ucMfKwy8X8qFEc1VDqs1PKPig2uZh3</a>                            |
|               | Meeting Room 1 | <b>"Unconference" Session: FHIR Profile &amp; Implementation Guides and FHIR Tools</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Luke Duncan</a> <a href="#">Daniel Futerman</a>                                                                                                                                                                                                                                                                                                                       | Notes Page: <a href="https://notes.ohie.org/2019-11-07_FHIR_Profile_Tools_Implementation_Guide">https://notes.ohie.org/2019-11-07_FHIR_Profile_Tools_Implementation_Guide</a>                                                                                                                                                                                   |
|               | Meeting Room 2 | <b>"Unconference" Session: Indicator Registry</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Carl Leitner</a>                                                                                                                                                                                                                                                                                                                                                      | Notes Page: <a href="https://notes.ohie.org/2019-11-07_Indicator_Registry">https://notes.ohie.org/2019-11-07_Indicator_Registry</a>                                                                                                                                                                                                                             |
| 11:15 - 11:25 |                | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                 |
| 11:25 - 12:10 | Meeting Room 1 | <b>"Unconference" Session: WHO Computable Guidelines</b><br><br>Facilitating adoption of decision support logic embedded in clinical guidelines into digital systems using FHIR resources and CQL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Nat Ratanaprayul</a><br><br><a href="#">Bryn Rhodes</a><br><br><a href="#">Jenny Thompson</a><br><br><a href="#">Daniel Futerman</a><br><br><a href="#">Garrett Mehl</a> , <a href="#">Carl Leitner</a> , <a href="#">Derek Ritz</a> , <a href="#">James Kariuki</a>                                                                                                  | Notes Page: <a href="https://notes.ohie.org/2019-11-07_WHO_Computable_Guidelines">https://notes.ohie.org/2019-11-07_WHO_Computable_Guidelines</a><br><br>Presentation here: <a href="https://drive.google.com/file/d/1OoOn3gnPhsDPdV8oBb9niV0tkfX1WbR4/view?usp=sharing">https://drive.google.com/file/d/1OoOn3gnPhsDPdV8oBb9niV0tkfX1WbR4/view?usp=sharing</a> |
|               | Meeting Room 2 | <b>"Unconference" Session: eHA and Interoperability Academy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Tesfit</a><br><br>1. An Academy practice for eHA and interoperability, how and when?<br>2. establishing eHA( eHealth architecture and Interoperability ) subcommittee.<br>3. the cooperation between implementer's and academic institutions.                                                                                                                         | Notes Page: <a href="https://notes.ohie.org/2019-11-07_eHA_Interoperability_Academy">https://notes.ohie.org/2019-11-07_eHA_Interoperability_Academy</a>                                                                                                                                                                                                         |
|               | Ballroom       | <b>Showcase/Product Demo</b><br><br><i>Solutions that align with the OpenHIE Architecture will be on display for attendees to explore. (2-3 demo spots)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1. GOFR Facility Registry - <a href="#">Ally Shaban</a><br>2. PCMT (Product Registry) - <a href="#">Josh Zamor</a><br>3. Reveal - <a href="#">Pierre Dane</a>                                                                                                                                                                                                                     | Notes Page: <a href="https://notes.ohie.org/2019-11-07_Showcase_Product_Demo">https://notes.ohie.org/2019-11-07_Showcase_Product_Demo</a>                                                                                                                                                                                                                       |
| 12:10 - 12:20 |                | Transition Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                 |

