

openIMIS

Gumzo ya Mwezi 08/11/2021



Bluesquare



Agenda

- Achieved
what we delivered this month
- Roadmap
what we will deliver and what are our dependencies
- openMIS implementation
Updates about openMIS implementation opportunities





Achieved this month

Payers and Funding module (ddl 1 November)

As per the [Strategy](#):

- The Payers are already partly visible in the payment module. The add_funding stored procedure has also been ported already. However, the difficulty arises from the workaround that has been used to add funding by creating fictitious families and contributions.
- Transforming the funding system into a more complete one is out of the scope of this rewrite. The current system of fake families will continue to be used. Changing it would also potentially have a strong impact on the reports.

Payers and Funding module (ddl 1 November)

- Discussed possible improved implementations
But no actual implementer using this feature
- Rewrite would impact not only reports but potentially claim approval and valuation
- Until we have an exchange with an implementer, further redesign would be a waste of resources
- Modules were ported as-is

Performance issues

- Performance testing with a real (anonymized) database rather than dummy data
- List of beneficiaries would time out on national level
- Opening a single claim would take 10 to 20 seconds
- Partial improvement by switching SQL Server to 2012 compatibility mode

Performance issues - findings

- Web app requesting too much data
 - Reduced the amount of data requested
- “Pickers” would load too much data beforehand
 - Some pickers didn’t need to load everything and could be reactive
- Loading of related data too done individually
Family -> Insurees -> Policies -> Contributions...
 - Introduced “data loaders” to get them in bulk. Cut insuree search time by half
- Filtering “current data” with ValidityTo causes the wrong indexes to be used
This alone caused the claim to open slowly
 - Switched all such filters to use LegacyId instead. HUGE gain.

Performance issues - way forward

- V1.3 has most of these improvements already
- We will make 1.3.1 with the other improvements and some bug fixes
- We can retrofit many of these improvements to V1.2
- Older versions could get the ValidityTo/LegacyId fix easily
Pickers, data loaders and more would be a waste of time to retrofit



Roadmap

Next milestone: Key system admin utilities (deadline 1 Dec)

As per the [Strategy](#):

- Features mostly intended for mobile application interactions
- There are currently two supported mobile applications:
 - an enrolment one managing the family and insuree encoding, policy creation (with valuation) and renewal and feedback
 - claims application that can be used by health facilities to register claims.
- There was a suggestion that mobile apps would use a FHIR format rather than the current XML rar/zip with password but it won't happen in the near future, so we'll port as-is.



openMIS implementation

OpenMIS implementation Niger



Updates:

- Back from setup and interoperability analysis mission in October
- Full install including mobile apps was a major pain
We are committed to streamline this
- openMIS training from 9 to 12 November in Niamey
- Additional dev for beneficiary card printing with picture and QR



Bluesquare team

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Thank you!

