



AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

INFORMATION REQUEST

Topic: HEDIS Process

Request Date: August 4, 2022

Information Requested:

The Michigan Care Improvement Registry (MCIR) wants to update its current HEDIS process and would like to find out how other states are automating HEDIS requests.

Requesting Member: Sallie Sims

Responding Member(s): Kim Gulliver (CO), Lizz Wenzel (MN)

Results:

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CO:

Currently, Colorado uses a very manual flat file process that has been in place for many years. We are currently working with our Data Unit to use an automated process that they have developed, but we have not tested/transitioned to this process yet because we are still exploring and verifying that the specs are consistent so we can communicate the new process to our partners. Here's a very general description of the new process and if you want more detailed information, I can get that from our Data Unit.

- A shared sFTP folder is set up.
- The Health Plan drops a roster into the sFTP folder
- That file is picked up and the file is read and it looks for matches from our Warehouse database (day old data). All immunizations are grabbed on the matched profile.
- A file is then dropped into this sFT folder that the Health Plan can pick up.



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Currently we take all submitted files and run them through our matching process. This is a big resource hog so the team has to monitor and start/stop processes to ensure other daily files are run through as well because they compete and can't be running at the same time. Once the match is done then they produce files and send those back to the Health Plan.

MN:

In Minnesota, we have stood up a data lake and subsequent bulk query process, which allows provider organizations to query the Minnesota Immunization Information Connection (MIIC) for a large patient population without bogging down the application itself. This bulk query process is heavily used by Minnesota insurers and replaced their use of a client query functionality available within MIIC. The in-app query functionality was resource intensive and inefficient, only allowing provider organizations for a couple thousand clients at a time. With this new bulk query process, health plans can query for their entire enrollee list (for some, that's more than a million clients) and use the data to inform their HEDIS reporting.

The bulk query process runs a copy of MIIC's matching algorithm against the data lake. It is a multi-threaded process, meaning results are returned quickly. A recent file of over 1.4 million clients from a large health system was matched and returned in about 2.5 hours, which is 151 records per second. The process is fully automated and driven by the external partner. No one from the MIIC Operations team has to touch or manipulate the file for this process.

This bulk query process is set-up through the Minnesota Department of Health's (MDH) Cloud Drive site, which is a secure method of sharing files. The key benefit of the Cloud Drive is that it puts the file directly into an S3 bucket which allows for the immediate exposure to other Amazon Web Services (AWS) services.

More information about this bulk query process is available at [MIIC Bulk Query Tool \(state.mn.us\)](https://miic.bulkquerytool.state.mn.us).